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The  
**CHEMIST AND DRUGGIST**



RETAILER — WHOLESALER — MANUFACTURER

APRIL 26, 1952

3 points for

**'DURACILLIN A.S.'**

TRADE MARK

BRAND

PROCAINE PENICILLIN-G AQUEOUS SUSPENSION  
300,000 UNITS PER CC.



Is a stable aqueous suspension needing only gentle agitation before injection. Dry syringe and needle not essential



In most infections a daily dose of 1 cc. will secure adequate tissue concentrations



Refrigeration not necessary. Is stable for twelve months at 60°F

*'Duracillin A.S.' is supplied in 10 cc. rubber-capped ampoules No. 554 (300,000 units per cc.)*

ELI LILLY AND COMPANY LIMITED, BASINGSTOKE, HANTS.

# Wright's

**PACKED PHARMACEUTICALS  
TOILET PREPARATIONS  
DISINFECTANTS**

**FOR SUMMER SALES**

**WRIGHT'S OPTICAL LOTION  
WRIGHT'S EFFERVESCENT SALINE**

**CALAMINE LOTION  
INSECT REPELLENT  
LAVENDER OIL**

**SUNBURN LOTION  
SUNTAN OIL  
SUN LOTION**

**WRIGHT'S LYSOL**

**WRIGHT'S DISINFECTING FLUID**

**WRIGHT'S D.D.T. SPRAY**

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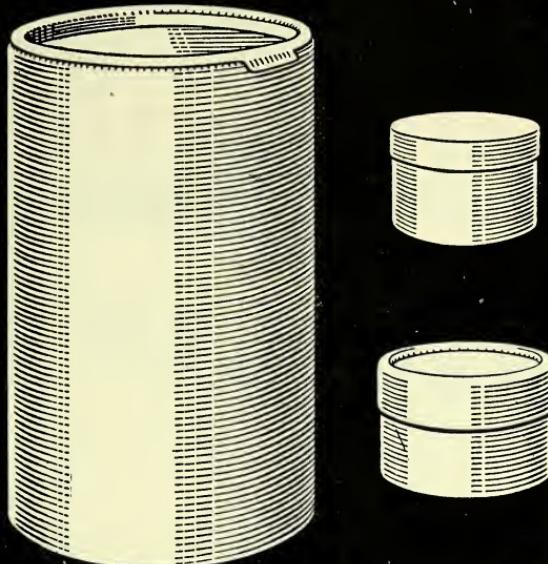
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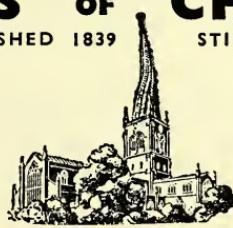
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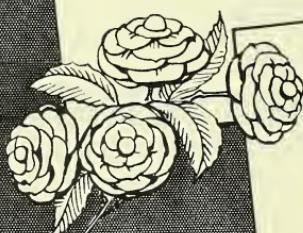
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(pack of 6)		
Size 1 - - -	23/2 "	2/5 "
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Trade prices subject to discount



Order now through your  
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- ★ Dressed Window Displays to link up with our Summer Advertising Campaign which begins in May

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Made by Cadburys



• THE  
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2/6 A TIN (Including P.T.)

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**MIRACLE MIXTURE**  
**I make a friend"**

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There is no medicine in this  
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*Active orally in the treatment of  
rheumatoid arthritis*

Sixty-four patients with rheumatoid arthritis were treated with pregnenolone by mouth in dosages averaging about 500 mg. daily, over periods of time ranging from two to thirty weeks.

24 patients experienced striking improvement

26 showed minor improvement

14 showed no improvement

The usual maintenance dose was 400 mg. daily.

(See *J. of Clinical Endocrinology*, Dec. 1950, p. 1523)

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Also solution for intramuscular injection— 72/- ..... 108/-

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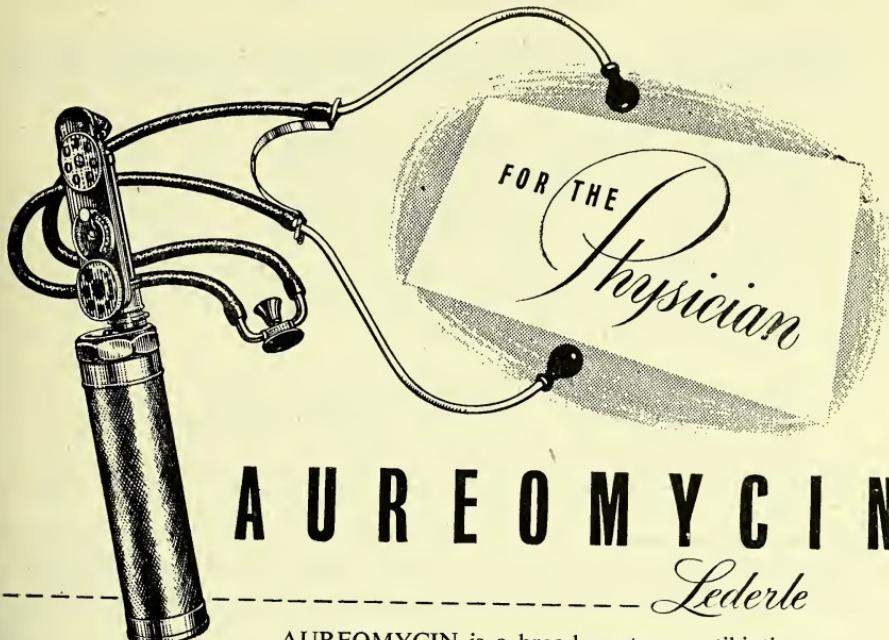
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*Lederle*

AUREOMYCIN is a broad-spectrum antibiotic, effective in many infections of bacterial, rickettsial, protozoal, large viral and unknown aetiology.

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In every field of medicine, AUREOMYCIN is recognised as the broad-spectrum antibiotic of choice.\*

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\*Trade Mark

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Proprietary Medicine

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and all Nerve Pains.

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GLASGOW N**

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# *N E F C O*

(REGD. TRADE MARK)

for mixing with the feed  
in the control of coccidiosis



In an authoritative article\* published recently Animal Health Trust research workers testified to the effectiveness of 'Nefco'.

- 'Nefco' controls coccidiosis outbreaks effectively.
- 'Nefco' is of value as a preventive on farms where there is a history of coccidiosis.
- 'Nefco' permits development of lifelong immunity.
- 'Nefco' treated chicks show normal weight gain.

\* British Veterinary Journal, February 1952



'Nefco' is issued in the form of a premix which is simply incorporated in the mash.

'Nefco' is not a poison and may be sold without restriction. Get your stock of 'Nefco' now—prices are as follows:

Small size 3½-oz. approx.	trade price 23/- doz.
	retail price 3/6 each, including tax

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	retail price 12/- each, including tax

Bulk pack 5 lb.	trade price 30/- each
	retail price 55/- each, including tax

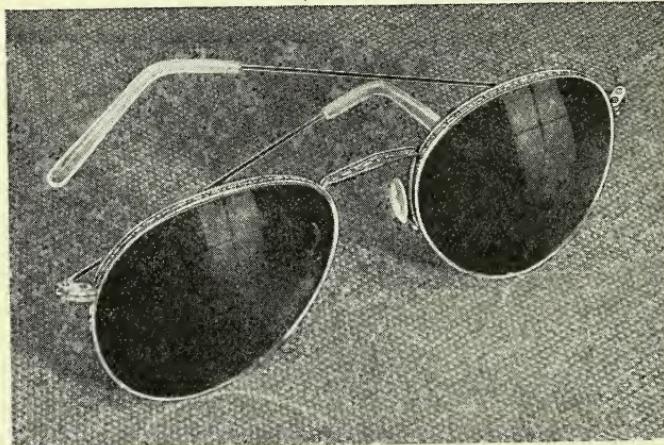
Stocks, literature, and showcards available from

A. J. WHITE, LIMITED, COLDHARBOUR LANE, LONDON, S.E.5

NCWT42



# 'SUNGARD' Sunglasses



BRITISH MADE  
BY CRAFTSMEN

•  
**'SUNGARD' STANDARD MODE**  
Beautifully engraved  
Gold-Plated frame  
with CROOKES B2  
Curved Lenses.

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boxed

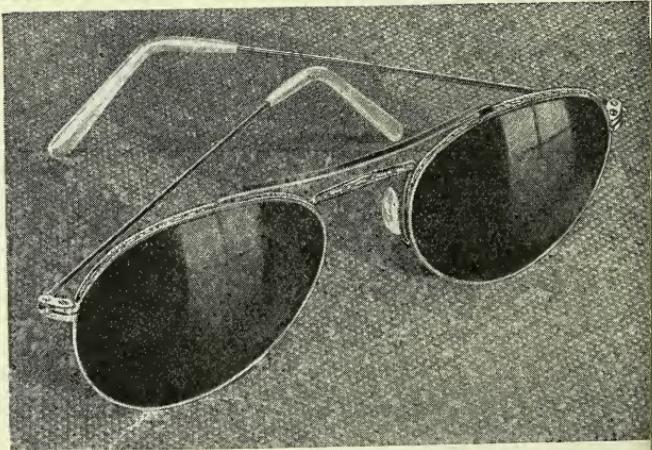
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As above but incorporating extra bar adding to strength and appearance. With CROOKES B2 Curved Lenses.

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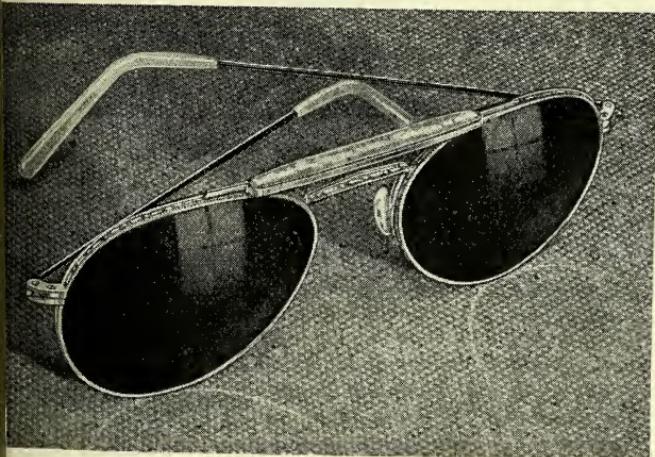
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**'SUNGARD'** Sunglasses are 100% British made by Craftsmen from the finest quality materials. Beautifully engraved and fitted with optical quality CROOKES CURVED LENSES and styled in the modern manner.

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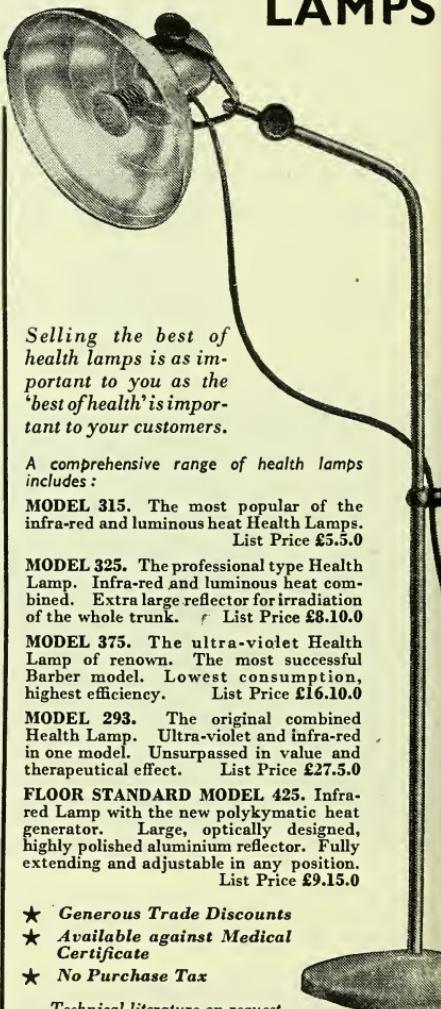
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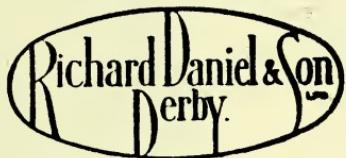
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ARESSA LTD 527-533 HARROW ROAD, LONDON, W10 Telephone: LADbroke 1225-6

# IMPORTANT PRICE REDUCTION

The Distillers Company (Biochemicals) Ltd., Speke, Liverpool, 19, on behalf of its distributors : Allen & Hanburys Ltd., The British Drug Houses Ltd., Burroughs Wellcome & Co., Evans Medical Supplies Ltd., Imperial Chemical (Pharmaceuticals) Ltd., and Pharmaceutical Specialities (May & Baker) Ltd., announces the following reduced retail prices from April 28:

## CRYSTALLINE PENICILLIN G, Sodium salt and Potassium salt (buffered)

		Single vial	Box of 5 vials	
*	0.1 mega unit	1s 1½d	5s 7½d	
	0.2 mega unit	1s 4½d	6s 10½d	
	0.5 mega unit	2s 6d	12s 6d	
	1.0 mega unit	4s 1½d	20s 7½d	
	5.0 mega units	18s 0d	<i>Single container</i>	
	10.0 mega units	34s 0d		

\* Potassium salt (buffered) not available in this size vial.

## 'DISTAQUAINE' G

		Single vial	Box of 5 vials
	0.3 mega unit	1s 10½d	9s 4½d
	0.9 mega unit	4s 7½d	23s 1½d
	3.0 mega units	13s 4½d	133s 9d

## 'DISTAQUAINE' FORTIFIED

		Single vial	Box of 5 vials
	0.4 mega unit (3+1)	2s 4½d	11s 10½d
	1.2 mega units (9+3)	5s 10½d	29s 4½d

## 'DISTAQUAINE' SUSPENSION

		Single vial	Box of 10 vials
	10 ml. (3 mega units)	14s 0d	140s 0d

## STREPTOMYCIN (Sulphate) and DIHYDROSTREPTOMYCIN (Sulphate)

		Single vial	Box of 5 vials
	1 gramme (1 m.u.)	4s 3d	21s 3d
	5 grammes (5 m.u.)	19s 0d	

All prices subject to the usual discounts

Applications from the retail and wholesale trade for credit on stocks held at closing time on April 26th should be made within 14 days to the supplier by whom the goods were invoiced, quoting batch numbers.

Owners of the trade mark, 'Dist aquaine'

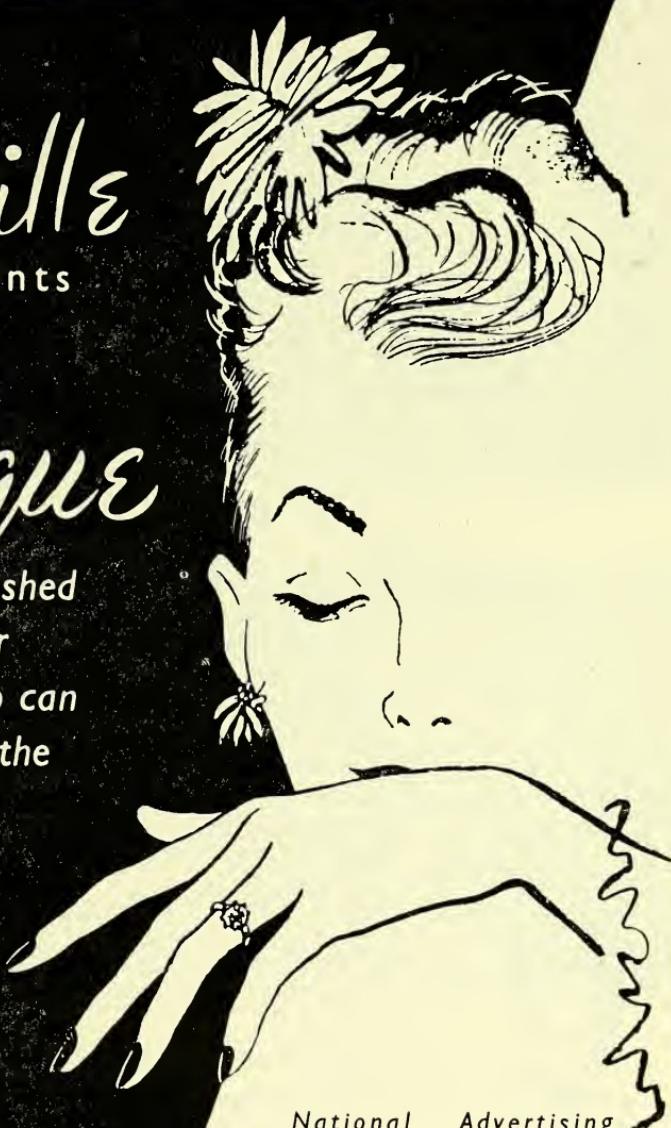
THE DISTILLERS COMPANY  
(BIOCHEMICALS) LIMITED

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LIVERPOOL

# Saville presents *Clique*

a distinguished  
perfume for  
women who can  
appreciate the  
finest



Retail

Five shillings  
to Two guineas

★ National Advertising  
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Vogue and all the leading  
women's magazines  
throughout the season.

Saville Perfumery Ltd., Watford  
CVS-74

# SILCOT PRICES ARE DOWN!

## Big Reduction

We are pleased to announce that the price of Silcot Cotton-Wool Sanitary Towels reduced.

The reduction, which represents a big drop in the price of all sizes, has been made possible by recent falls in the price of cotton and yarn.

Vensilla Soluble Towels are also reduced in price, due to the lowering of the price of cellulose.

THE NEW PRICES		
SILCOT	Trade per doz. pkts.	Retail per pkt.
Size 0	20/3	2/3
1	22/6	2/6
2	27/-	3/-
3	33/9	3/9
4	42/9	4/9
<hr/>		
VENSILLA		
Size 1	20/3	2/3

### NOW'S THE TIME TO PUSH SALES

*with the help of*



- ★ Silcot Quality
- ★ Silcot new reduced prices
- ★ Silcot showcard publicity
- ★ Silcot national advertising



**SILCOT**

Sanitary Towels

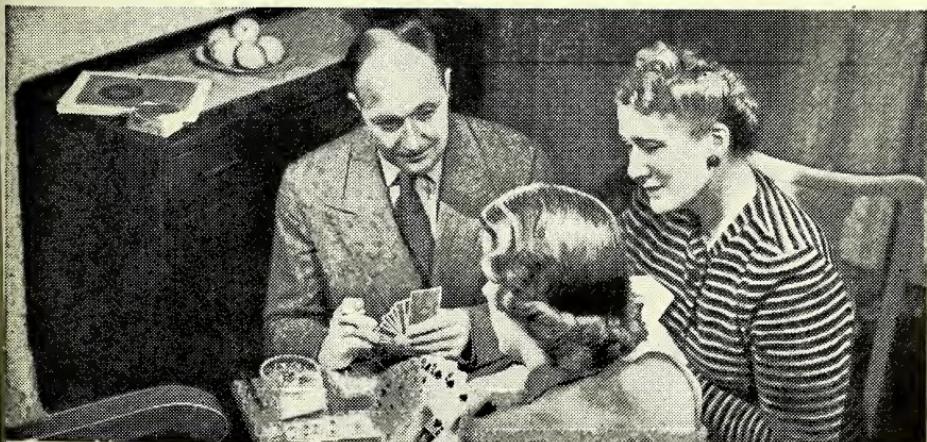
**Vensilla**

Soluble Towels

## Of these four people . . .



... three use Steradent



**Of every four people who clean their dentures with a steeping agent, three use Steradent. ★**

STERADENT is the Reckitt & Colman product specially made to "oxygen-clean" false teeth: to drive from every corner and crevice of the denture every trace of film, stain, odour . . . safely, completely.

That is why Steradent brings such steady profits . . . from regular

customers who, once they have tried Steradent, keep on buying it in order to keep their dentures thoroughly, "oxygen-clean."

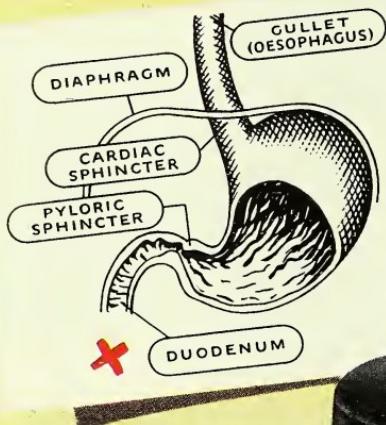
★Figures from a recent, independent, survey

**Steradent**  
Specially made to

"oxygen-clean" false teeth



# an exceptionally effective formula for the 'ulcer' customer



The Potter & Clarke laboratories have evolved in Thompsons Gastric Ulcer Tablets a treatment which can be confidently recommended to most ulcer sufferers. In many cases they may prevent the need for operation.

#### RETAIL PRICES.

BOTTLE (40 tablets) 6/6 inc.p.t.  
BOTTLE (120 tablets) 18/6 inc.p.t.  
DISPENSING PACK 1,000 tablets,  
(Doctor's Prescription only)  
72/- per 1,000 tax free.

**THOMPSON'S  
GASTRIC  
ULCER  
TABLETS**



**POTTER & CLARKE LTD.**

60-64 ARTILLERY LANE, LONDON, E.1  
Phone : Bishopsgate 4761

77 DANTZIC STREET, MANCHESTER  
Phone : Blackfriars 8734

62 ORBISTON STREET, MOTHERWELL  
Phone : Motherwell 1413

Agents in Northern Ireland: HAROLD MITCHELL & CO. LTD., 321 GROSVENOR RD., BELFAST. Tel. 24356

Grams : Horehound, Phone, London

Grams : Horehound, Manchester

Grams : Horehound, Motherwell



MA 200

# M&B-ANTISEPTIC CREAM

**for cuts**

**burns**

**and abrasions**



By virtue of the powerful antibacterial activity of propamidine, M&B Antiseptic Cream is highly effective in the prevention and treatment of infection in wounds and burns. It is remarkably rapid in its effect, and under its influence healing takes place unchecked. In contrast to the topical application of penicillin, the use of propamidine is not reported to cause sensitization. M&B Antiseptic Cream has the added advantage of maintaining its potency indefinitely without special conditions of storage.

Attractive Showcards available on request.

Bonus terms of 13 to the dozen offered through wholesalers in return for display services.

M&B Antiseptic Cream is supplied in tubes of 1 oz. at 2s. 3d.



manufactured by :

**MAY & BAKER LTD**



DISTRIBUTORS : PHARMACEUTICAL SPECIALTIES (MAY & BAKER) LTD · DAGENHAM

# Max Factor NEWS

## THAT WILL BRING ....

**EXTRA** COSMETIC **SALES**  
**EXTRA** COSMETIC **PROFITS**

**TO YOU!**

### MAX FACTOR Hollywood INTRODUCES

The greatest promotion idea for extra sales volume in the cosmetic industry, coupled with the biggest, most concentrated advertising campaign in our history — to make every woman Max Factor conscious.

... By the end of June, Max Factor will have introduced this beauty promise\* to every woman and girl reader in the British Isles with full colour and black and white large space insertions in the leading Women's Magazines and National Newspapers . . . a total of 160,000,000 printed advertisements in 115 days.

And **THE PROMISE\*** . . . the secret of the

**FRESH, YOUNG, NATURAL LOOK**

# Millions of selling messages

... to reach women in your community in every walk of life!

... the young ... the mature ... the fashion-conscious ... the beauty-conscious ... the working girl ... the career woman ... the housewife ... in fact ... every girl and woman everywhere!

**CASH IN ON THIS  
IMMEDIATE, TIMELY  
AND TERRIFIC  
PROMOTION WITH  
ADEQUATE STOCKS  
AND LINK UP  
WITH PROMINENT  
WINDOW AND  
COUNTER DISPLAYS**



# **SELL BOLEX**

**ciné cameras  
for  
extra profit  
and prestige \***

# **BOLEX**

**the world's finest ciné camera**



**LINK YOUR  
GOOD NAME with  
OUR GOOD NAME**

**WRITE**

for full details of generous trade terms and samples of the exceptionally attractive sales literature that makes Bolex ciné cameras so easy to sell.

## **Model L.8**

Takes economy-priced 8 mm. films—the increasingly popular size that is gaining thousands of new ciné enthusiasts. It is the world's finest 8 mm. camera. Swiss precision built, yet costing only £59, including a handsome carrying case. Sell it and look forward to profitable follow-on film sales.

**CINEX LTD., 9-10 North Audley St., London, W.I.**  
Phone: Grosvenor 6546



**StaffAllens**

Founded 1833

# GROUND GUMS

•  
**TRAGACANTH  
KARAYA  
ACACIA**  
•

For well over a century we have been the leading millers of natural Gums, and we are an authority on the application of the various grades to many different trade requirements.



Why not approach us for samples to your specific requirements, and advice on all questions of

**MUCILAGE  
EMULSIFICATION  
SUSPENSION**

AFFORD ALLEN & SONS LTD., Wharf Rd., London, N.I. CLERKENWELL 1000 (7 lines)

TAS/AL 376

D

“Last month's d.p.s.\*

was alright but

**the names**

could have been

**clearer...”**

*...So wrote our North Western  
Representative a few days ago*

\* d.p.s.:—initials for ‘double page spread’....that is, two pages facing each other.



*Is this more like it? . . .*

# ANADIN BiSoDoL

*the modern analgesic for RAPID relief without harmful side effects. Anyone can use it, and millions do . . .*

*the ethically-promoted antacid digestant, now joined by 'BiSoDoL' Rollmints in quick-selling display outers.*

# KOLYNOS

*the supremely economical dentifrice with the pleasant taste, that has held a discriminating public for 50 years.*

# FREEZONE

*the reliable liquid Corn Remover, economical, safe and effective, for all who want to get rid of a nasty corn.*

# ISMAG

*hort for 'Bisurated' Magnesia and the hort answerer, too, for those who ask 'What's good for indigestion?'*

# Anne French

*a Cleansing Milk which, for the modern woman, has taken all the irk out of make-up removal.*

Any pharmacist buying one of the mixed parcels of I.C.C. goods is entitled to an extra Display Bonus on the terms outlined below in return for his promise to display at least 'Anadin', 'Kolynos' and 'BiSoDoL' for not less than 14 days following delivery of the parcel.

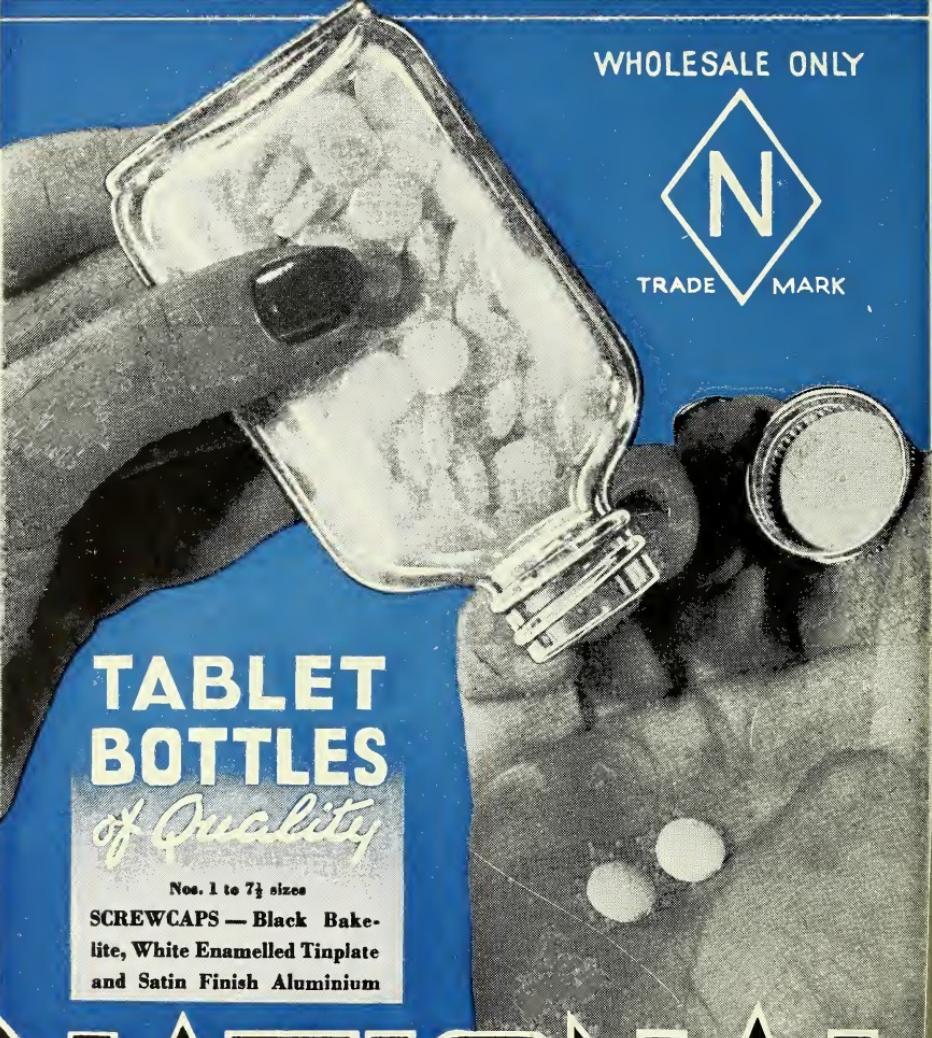


On a parcel of more than £5  
but less than £10 in value . . . **10%**

## WINDOW DISPLAY BONUS TERMS

On a parcel of the value  
of £10 and over . . . . . **12½%**

ENIES STREET, LONDON, W.C.I.



WHOLESALE ONLY



## TABLET BOTTLES

*of Quality*

Nos. 1 to 7½ sizes

SCREWCAPS — Black Bakelite, White Enamelled Tinplate and Satin Finish Aluminium

# NATIONAL

National Glass Works (York) Ltd

Fishergate, YORK

Telephone: York 3021

105 Hatton Garden, London, E.C.

Telephone: Holborn 214



## Nearest to Natural feeding

The 'Modern' Teat, recommended and used by Doctors, Nursing Homes and Hospitals throughout the country, conforms most nearly to natural feeding. It makes baby 'work' naturally for his food. Ball top, internal ribs and buffer shoulder help to stop the simple causes of wind and indigestion. 'Modern' Teats withstand constant boiling and outlast many of the old limp types of teat that so easily collapse and cause trouble.

For quieter nights and a happier baby, post coupon below for "Advice on Modern Bottle Feeding," a booklet to help you overcome the problems of bottle feeding. Meanwhile, get a 'Modern' Teat for baby's next feed.

## *The* "MODERN" Anti-Colic TEAT

7½d From all chemists  
In 1 or 3 hole perforations



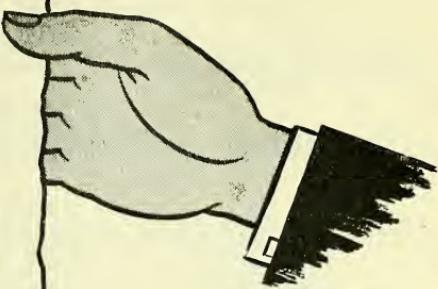
This new 9-oz. single ended feeder in toughened, heat-resisting glass is almost unbreakable. It has a wide neck. 'MODERN' Teat and hygienic rubber storage cap, price 2/6 complete. Ask your chemist today.

**FREE**

Cannon Rubber Manufacturers Ltd. (Dept. R76)  
Cannon Works, Ashley Road, Tottenham, N.17  
Please send a free copy of  
'Advice on Modern Bottle Feeding.'

Name ..... Please print in BLOCK letters

Address .....



# PRESS URGENT

8,000,000  
readers of the  
RADIO TIMES  
will see this  $\frac{1}{2}$  page  
**MAY 9 & ON**

"Modern"-minded mothers will be coming into your shop when this big, influential advertisement appears. Link up with this latest shot in the CANNON campaign, check your stocks of MODERN TEATS and see they are well displayed from May 9 and onwards.

# BIF

As usual, the NEW CANNON RUBBER lines to be released at Olympia will be well worth a visit! Don't miss STAND D32 OLYMPIA May 5 to May 16.

## CANNON RUBBER MANUFACTURERS LTD

(Dept. CD1) Cannon Works  
Ashley Road, Tottenham, N.17

# The Kent-Cosby Allure Perfume Hairbrush is always **GOOD BUSINESS!**



By Appointment  
Brushmakers  
G. B. Kent & Sons Ltd

It is always "Good Business" to sell a quality product, it reflects credit upon you and gives satisfaction to your customers.

It is equally "Good Business" to make a worth-while profit per article.

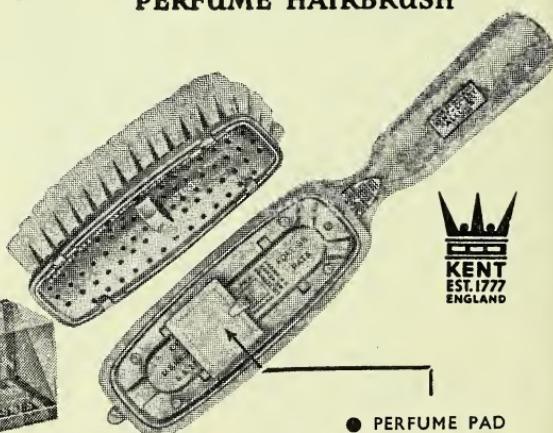
The Kent-Cosby Allure Perfume Hairbrush is an outstanding quality hairbrush and many hundreds of thousands have been sold to satisfied customers. It shows a worthwhile profit per brush and makes an Ideal Gift at all times.

All Allure brushes are now supplied in presentation acetate gift packs.

Please ask our representative, or write direct to us, for details of our re-packaging plan for Allure brushes still in the old type of box pack.

*The*  
**KENT-COSBY**  
(PATENT)

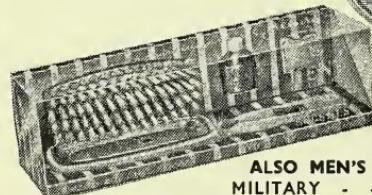
**"Allure"**  
PERFUME HAIRBRUSH



KENT  
EST. 1777  
ENGLAND

## THE "ALLURE" RANGE

POPULAR - - -	30/-	Retail
DE LUXE - - -	70/-	Inc. P.T.
PURE BRISTLE - -	4/6	



## ALSO MEN'S MODELS

MILITARY - - -	30/-	Retail
"CLUB" - - -	32/6	
MILITARY in		Inc. P.T.
PURE BRISTLE - -	60/6	
"CLUB" in		
PURE BRISTLE - -	63/-	

NATIONALLY  
ADVERTISED

G. B. KENT & SONS LTD.  
24 OLD BOND STREET, LONDON.W.I.

Telephone: REGENT 1471-2-3

Telegrams: TRICHO, PICCY, LONDON

- PERFUME PAD
- REFILL TAKES OUT TO WASH
- HANDLE BACK NEVER SPOILT BY WATER
- ABSOLUTE CLEANLINESS AT BRUSH BASE

**TO ALL USERS OF  
GUM TRAGACANTH**

*Whenever you order*

*and whatever grade you order*

*you get exactly what you order*  
*if you always specify*

## 'Red Carnation' Brand

POWDERED GUM TRAGACANTH, IN FOUR GRADES OF CERTIFIED VISCOSITY, COLOUR AND FINENESS OF POWDER.

DO you have to analyse every consignment of Gum Tragacanth you receive in order to determine whether it has the characteristics called for by your formula? If you do, you are wasting time and money. You have only to specify RED CARNATION Brand to be certain of receiving, throughout the year, powdered Gum Tragacanth of certified quality and characteristics. And, whenever you order, you can be sure that the Gum Tragacanth you receive is fresh because RED CARNATION Brand is in such constant demand (it is specified by leading manufacturers of food and pharmaceutical products throughout the country) that there is no risk of deterioration through long storage.

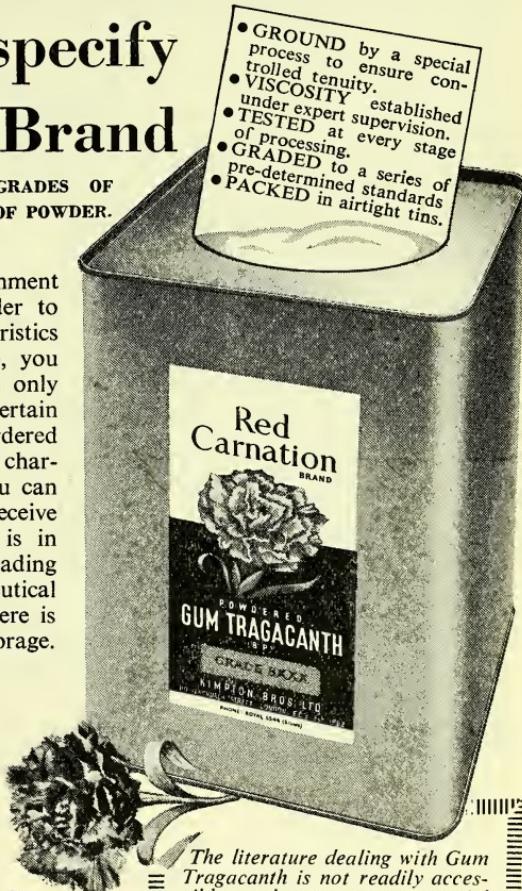
GRADES			
1	2	3	4
BXXX	BXX	BX	BA

## POWDERED GUM TRAGACANTH

KIMPTON BROS. LTD.

Established 1882

FENCHURCH ST., LONDON, E.C.3. Tel.: ROYAL 5544 (5 lines)



The literature dealing with Gum Tragacanth is not readily accessible to the average commercial user. A free 12pp. illustrated booklet, telling "The Story of Gum Tragacanth" is available. If you have any queries regarding RED CARNATION Brand Gum Tragacanth—e.g. which grade is most suitable to your requirements—our Research Department will be pleased to advise you.



# EVERY CHEMIST CAN NOW SELL *Innoxa 51 & 71* THE ORIGINAL BARRIER CREAMS

Frequent press mentions, doctor's prescriptions, radio and television features plus the unequalled efficiency of Innoxa '51' and '71' have created an urgent need for a far wider distribution of these ever more popular Barrier Creams. It has therefore been decided that '51' and '71', unlike the Innoxa cosmetic lines, will in future be obtainable through wholesalers

to enable chemists everywhere to satisfy what is now a nation-wide demand. Trade terms (for '51' and '71' only) are 22/6 a dozen tubes, plus 33½% purchase tax; the tubes retailing at 3/1 each include Purchase Tax. A profitable return, for a line which is in constant and growing demand. Order through your usual (Chemist) Wholesaler.

**ORDER STOCKS OF THIS FAST SELLING LINE—NOW!**



... protects against red  
and coarse washday hands



... protects against dirty,  
dust-grained housework hands



... protects against rough,  
workworn, charring hands



... protects against the grit  
and grime of gardeners' hands



... protects against chapped,  
sore window-cleaning hands



... protects against oily,  
greasy hands

# EVERY PAIR OF HANDS NEEDS THE PROTECTION OF *Innox-a 51 & 71*

## *Innox-a 51* FOR DRY WORK

Dirt, grease, paint, oil and all sorts of grime can be removed instantly by just rinsing the hands under the tap.

## *Innox-a 71* FOR WET WORK

Affords complete protection for the hands against "wet chores" even though the hands may be hours in water.



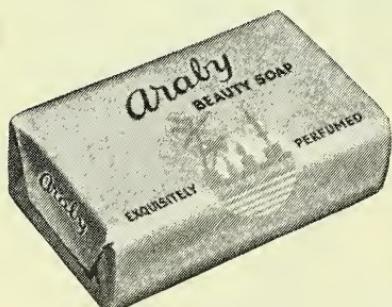
**INNOXA, 1 EDEN STREET, LONDON N.W.1. Tel: EUSTON 8575**

## *IMPORTANT NEWS FROM J. BIBBY & SONS LIMITED*

# *2 BIG ADVERTISING CAMPAIGNS*

### *Araby* TOILET SOAP

On April 1st a new advertising campaign in the 8 leading women's magazines started for ARABY Toilet Soap. These magazines, with a total circulation of 8,564,588, are carrying whole and half pages (some in brilliant colour) for the rest of the year. This will be an outstanding campaign aimed at the mass market for toilet soap.

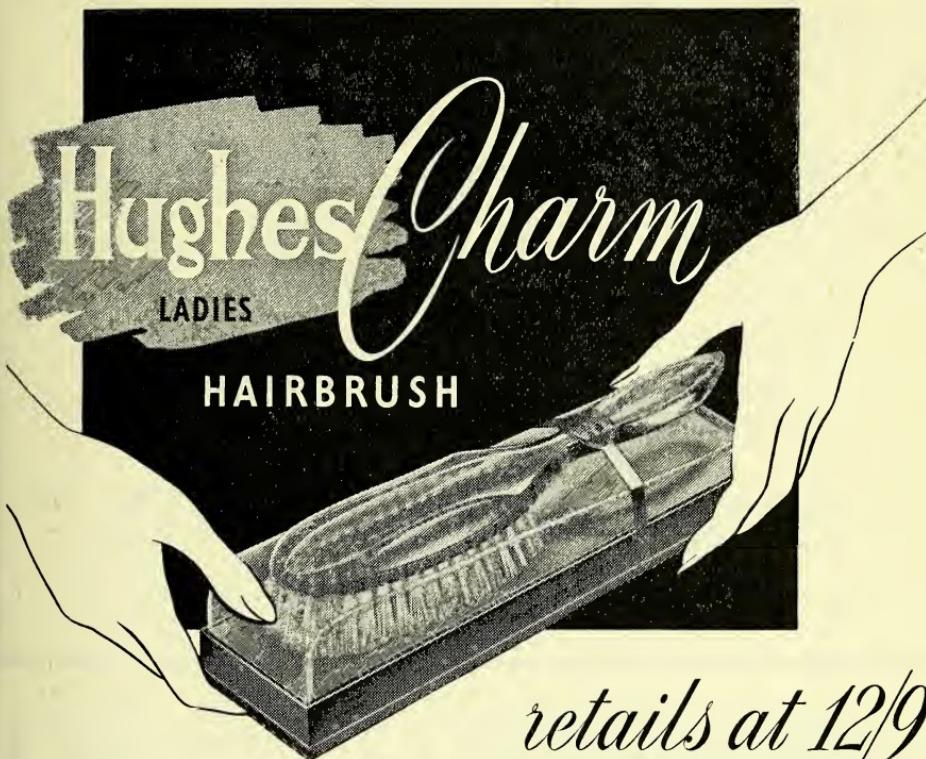


### CIDAL GERMICIDAL SOAP

A new campaign for CIDAL Germicidal Soap opened on April 1st. Leading magazines are being used for this advertising, led by the Radio Times with its nation-wide circulation of 8,109,663 and its enormous influence on the housewife's shopping. A large-scale campaign is also appearing in the professional journals read by doctors, dentists, pharmacists, veterinary surgeons, nurses and hospital administrators.



**YOU** can share in this business. Write for full details of our generous trade terms to:  
SALES DEPARTMENT, J. BIBBY & SONS LIMITED, LIVERPOOL 3.



*retails at 12/9*  
(INC. P.T.)

In its superb style, quality and value the CHARM is typical of every Hughes brush. Good chemists are well advised to stock the whole Hughes range of personal brushes and combs.

*Send for Illustrated Brochure  
and Full Price List*

**Hughes**

38/68

**BRUSHES LTD.**

240/242 BATH ROAD  
SLOUGH BUCKS. (Slough 23218/9)

NOW AVAILABLE —  
in bulk quantities

# KHELLIN

*the pure crystalline active principle of Ammi Visnaga*

Samples and prices on request from

# T. & H. SMITH LTD.

BLANDFIELD CHEMICAL WORKS, EDINBURGH, II

## INCREASE YOUR DYE SALES

Link up with the Auroral Press Advertising now appearing by displaying this

COUNTER CABINET

supplied FREE with



Price 4/- per dozen less 5%  
for cash in 7 days.

Retail (P.A.T.A.) — 6d.  
per packet.

ATTRACTIVE SHADE  
CARDS AND SHOW-  
CARDS AVAILABLE

WHITAKER & CO. (KENDAL) LTD.  
DYE AND CHEMICAL MANUFACTURERS KENDAL



# Bonus Offer ends May 19th

4711's new 'MATT-CREME for Dry Skins' is already making an excellent impression among the Trade.

**On all orders received before May 19th**

5% introductory discount on each order of 30/-  
*(wholesale price)*

10% introductory discount on each order of 60/-  
*(wholesale price)*

These special discounts are in addition to the usual quantity discounts.

**Large scale regular advertising  
begins May 18th**



## MATT-CREME FOR DRY SKINS

R. J. REUTER COMPANY LTD. · SLOUGH · BUCKS.

Prices for the new Matt Creme for Dry Skins are the same as for the well-known Matt-Creme (the 4711 Vanishing Cream) which is specially suitable for oilier skins. **TUBES 1/3, 2/6. JARS 3/10, 5/4**

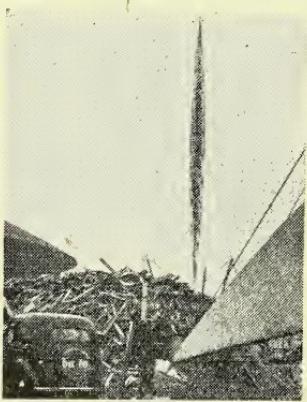
*a*  
*Scoop by*



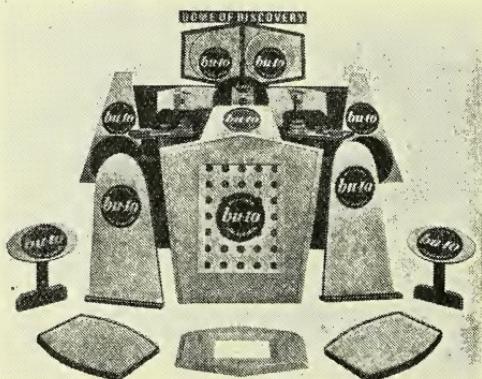
BIOMETICA LTD. bought a considerable quantity of material at the first sale of the great

## FESTIVAL OF BRITAIN

These actual pieces of the Festival have been renovated and reconstructed as display units. Several hundreds of these are now available to chemists. To avoid disappointment please make application immediately. Sizes from 8" diameter to 9 square feet. For dispatch during May. (Larger display pieces for London delivery only).



BEFORE



AFTER

Additionally, a small, turned wood, souvenir pin tray made from timber used in the Festival will be sent FREE with the first 138 orders for one gross or more Bu-to received after 5th April. Guaranteed genuine.

BIOMETICA LTD., BOREHAM WOOD, HERTS.

# 'EMBAZIN'

SULPHAQUINOXALINE  
SODIUM



2 oz. bottles . . 4s. 3d.  
20 oz. bottles . . 40s. 0d.  
80 oz. bottles .145s. 0d.

One fluid ounce (two  
tablespoonfuls) to each  
gallon of water.

Manufactured by  
**MAY & BAKER LTD**

*Coccidiosis  
control  
in Chickens  
and  
Turkeys*

## OME OBER STATEMENTS UPPORTING ULPHAUIN- OXALINE

Established coccidiosis treatment for which no claims need be made other than those fully justified by world-wide scientific and practical experience.

- 'Embazin' is highly effective and safe in recommended dosage.
- 'Embazin' used as directed has no harmful effect on growth and development of treated birds.
- 'Embazin' is palatable in drinking water and readily taken by chickens and turkeys.
- 'Embazin' in drinking water is the most accurate and dependable method of treatment. Infected birds frequently and rapidly lose appetite but continue to drink normally.
- 'Embazin' is economical. Month old chickens can be treated at a cost of approximately 12/- per hundred.

In those cases where the medication of mash is required, 'Embazin' premix in powder form is also readily available in packs of 4 x 2-oz. containers.

**INTRODUCING . . .**

NEW  
BEAUTY TREATMENT  
SHAMPOO

**Top line beauty news in America**

- White Rain gives gloss without the usual dryness.
- White Rain maintains natural oils without the usual dullness.
- White Rain is free of all impurities, hence its pure satin-whiteness.
- White Rain is a beauty lotion shampoo, which is soapless.
- The man who displays White Rain EARLY will get the sales. Dress your White Rain windows to meet the demand for this sensational new-comer. Display White Rain on your counters, and in other prominent positions. Repeat the great American success story. For yourself. In your own shop.

# RAIN

by Toni

HEAVY  
NATIONAL  
ADVERTISING  
COMMENCES  
JUNE 12



Colourful display  
outer holds  
6 single shampoos  
at 6d. per sachet.



2 OZ. BOTTLE 2/6 • 3½ OZ. BOTTLE 4/-  
7 OZ. BOTTLE 7/-

**ROBINSON'S Barley Crystals  
attract Millions of Thirsty Readers  
in**

*Stock and DISPLAY  
goods advertised in the*

# RADIO TIMES

*Average Weekly Net Sales for 1951 (A.B.C.) 7,880,718.*

By stocking and displaying goods that are regularly advertised in the RADIO TIMES, ahead retailers reap rich rewards. The RAD TIMES' circulation of nearly 8,000,000 copies ensures a huge demand in every area. Make sure your stocks are adequate.

Advertisements for  
**ROBINSON'S  
BARLEY  
CRYSTALS**  
appearing in the  
**RADIO TIME**  
are seen by more  
than half of  
all the families  
in Great Britain.  
Each issue of the  
**RADIO TIME**  
has an effective  
"life" of at least  
nine days.

*Free to breathe again...*



FOR THE RELIEF of bronchial asthma, a choice of 'Neo-Epinine' preparations is available. Almost immediate relief is obtainable by oral inhalation of No. 1 Spray Solution, a plain 1 per cent aqueous preparation. The 20 mgm. compressed tablets, placed beneath the tongue, act within 5-10 minutes. Stubborn cases need oral inhalation of No. 2 Compound Spray Solution which contains 1 per cent drug with 2 per cent of papaverine and 0·2 per cent of atropine methonitrate.

## 'Neo-Epinine'

Isoprenaline Sulphate

BRAND

IN THE  
TREATMENT OF ASTHMA



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON



# ORGANON HORMONES

Organon Laboratories—pioneers in hormone research—specialise in the production of all B.P. and other hormones in every pharmaceutical form and strength.

**Produced in the U.K. at drug tariff prices.**

## B.P. HORMONES

<i>Chorionic Gonadotrophin</i>	... . PREGNYL
<i>Deoxycortone Acetate</i>	... . DOCA
<i>Ethinylæstradiol</i>	... . LYNORAL
<i>Ethisterone</i>	... . PROGESTORAL
<i>Methyltestosterone</i>	... . NEO-HOMBREOL M
<i>Œstradiol Monobenzoate</i>	DIMENFORMON
<i>Œstradiol Dipropionate</i>	D.MENFORMON DIPROPIONATE
<i>Œstrone</i>	... . MENFORMON
<i>Progesterone</i>	... . PROGESTIN

Serum Gonadotrophin . . . GESTYL

Testosterone Propionate NEO-HOMBREOL

Thyroid . . . . . THYRANON

## OTHER HORMONES

<i>Adrenocorticotropic Hormone ACTH*</i>	. . . . .
<i>Anterior Pituitary Thyrotrophin</i>	. . . . .
	AMBINON A & B
<i>Methylandrostenediol</i>	... . STENEDIOL
<i>Œstradiol B.P.C.</i>	
<i>Testosterone B.P.C.</i>	... . NEO-HOMBREOL
<i>Mixed Hormone Preparations</i>	... . MENSTROGEN & MIXOGEN

\*All U.K. distribution at present controlled by Ministry of Health.

Price List on request.



**ORGANON**

BRETTONHAM HOUSE, LANCASTER PLACE, LONDON W.C.2

**LABORATORIES LTD**

TELEPHONES : TEMple Bar 6785/6/7, 0251/2.

TELEGRAMS : Menformon, Rand, London

## THE CHEMOTHERAPY

# TB

OF TUBERCULOSIS

## 'PYCAZIDE'

TRADE MARK

ISONICOTINIC ACID HYDRAZIDE

(PYRIDINE—4—CARBOXYLIC ACID HYDRAZIDE)

The addition of this new drug to the range of anti-tubercular substances produced by the Chemotherapy Research Unit of Herts Pharmaceuticals Ltd. has created considerable immediate interest. The material is at present undergoing extensive animal and clinical evaluation in this country ; its place in the treatment of tuberculosis must await the outcome of these trials.

'PYCAZIDE' is supplied as tablets of 50 mg. in packs of 100, 500 and 1,000, and as a sterile solution in 2 ml. ampoules containing 25 mg. per ml.

*For further details please write to :-*



**HERTS PHARMACEUTICALS LIMITED**  
WELWYN GARDEN CITY, HERTS.

# OINTMENT MILLS

## *Super Speedy Mill*

IN REGULAR USE ALL OVER THE WORLD

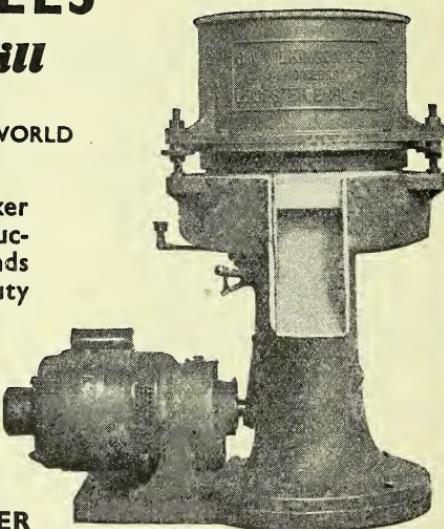
THIS Machine Is a combined Mixer and Grinder and Is used very successfully In the production of all kinds of Ointments, Tooth Pastes, Beauty Creams, Patent Foods, etc.

Each Machine Incorporates Thirty Years' Accumulated Experience

S. W. WILKINSON & CO. LTD.,

Chemical Engineers and Specialists in Pharmaceutical Machinery

WESTERN ROAD - LEICESTER



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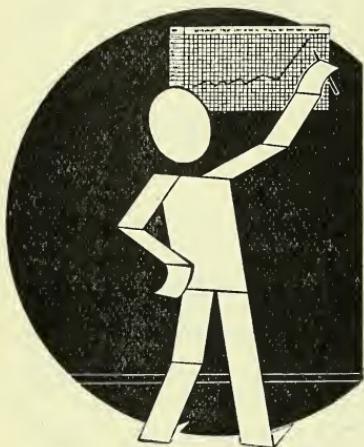
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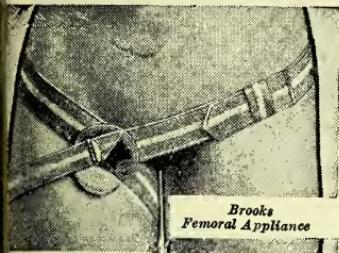
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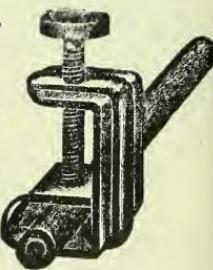
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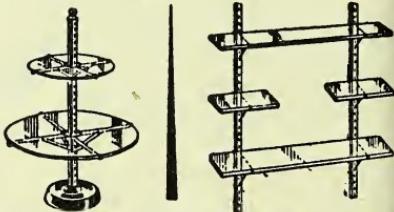
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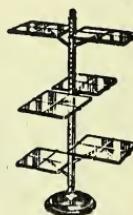
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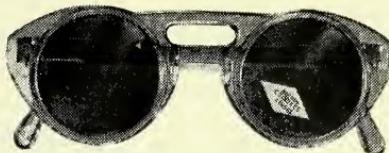
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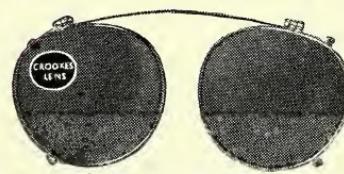
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*a nailbrush  
with character*

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OF HERTFORD

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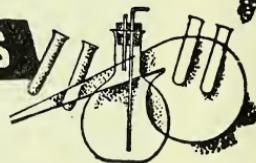
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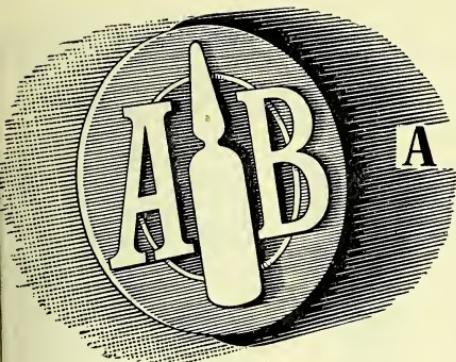
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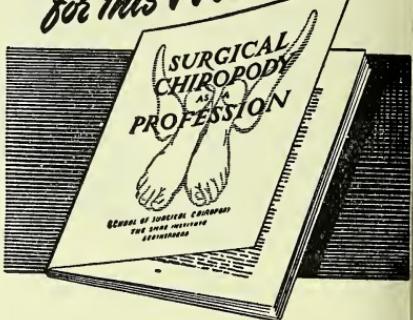
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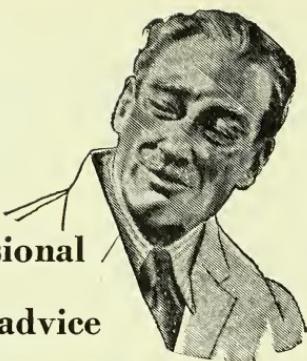
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professional

advice

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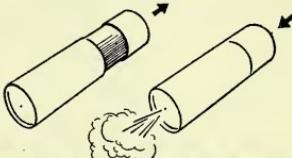
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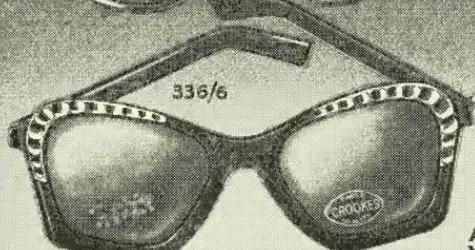
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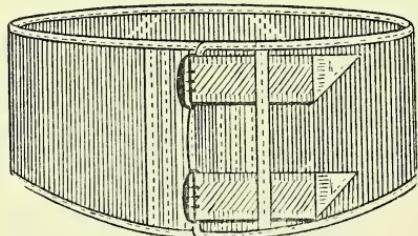
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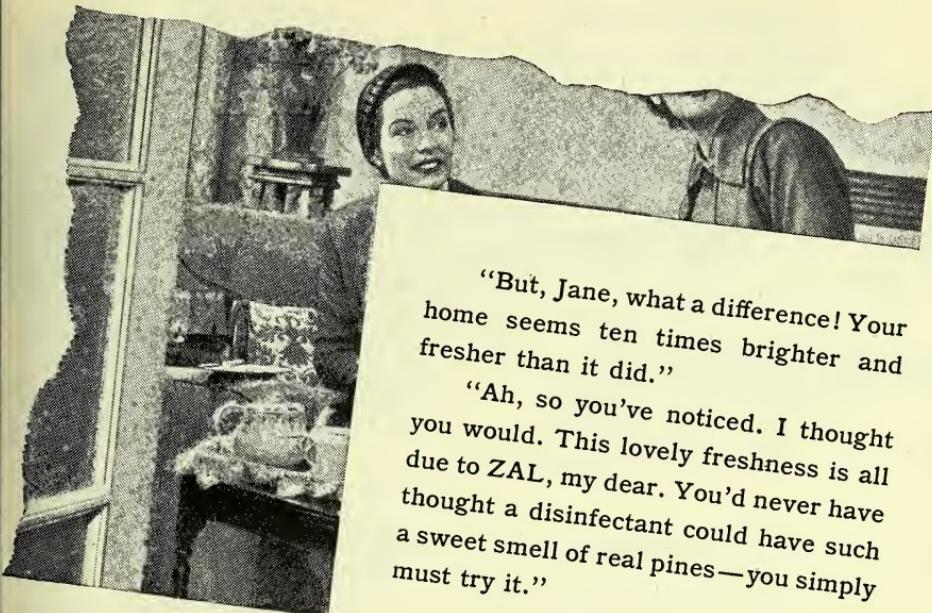


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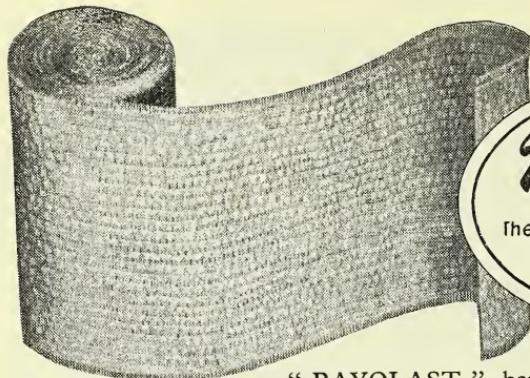


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proved by the Ministry  
of Health for supply on  
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4 This counter display box holds a dozen tablets, and echoes the colouring of the wrapper.



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**KERSHAW**

**'250'**

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for RETAILER — WHOLESALER — MANUFACTURER

APRIL 26, 1952

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Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Strand, London."

Single copies 1/- each. Annual Subscription, which includes *The Chemist and Druggist Diary and Year Book*, £2

Volume CLVII

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## NEWS OF THE WEEK

**" Guillotine "** in N.H.S. Debate.—On the resumption of Parliament after the Easter recess on April 21, Mr. H. Crookshank (Leader of the House, and Minister of Health) said that the Government had decided to ask the House to consider a time-table motion for the committee and remaining stages of the National Health Service Bill on April 23.

**Importation of Fertilisers.**—The importation on public account of fertilisers and fertiliser raw materials (phosphate rock, trona salts, superphosphates and basic slag) will cease after June 30 and the trade will be returned to the fertiliser manufacturers and merchants. Import licences will be required thereafter, and a further announcement on this subject will be made. Statutory control of the prices of most fertilisers will continue.

**Overseas Students' Association.**—At a meeting held in London recently an Overseas Science Students' Association was instituted with the object of bringing overseas science students into contact with the scientific life of Great Britain and with one another. Applications for membership

are invited from overseas science students and should be addressed to the secretary of the Association, c/o the Society for Visiting Scientists, Ltd., 5 Old Burlington Street, London, W.1.

**British Association.**—The 114th annual meeting of the British Association is being held in Belfast, September 3-10 (the fourth meeting in the city). The preliminary programme of the meeting was published on April 9 and a full programme will appear during the week ending August 9. The presidential address will be on "The Ethical Dilemma of Science." A feature of this year's meeting is a series of five lectures for young people. Copies of the preliminary programme may be obtained, free, from the Secretary, Burlington House, Piccadilly, London, W.1.

**Sulphur Shortage Under Survey.**—In a survey of the sulphur and sulphuric acid position published for the Department of Scientific and Industrial Research by H.M. Stationery Office (1s. 6d. net), it is forecast that the present scarcity of the element will get worse rather than better in the immediate future, and a recent esti-

mate suggests that there is enough in the domes at Texas and Louisiana for only fifteen years at the present rate of mining. In 1950 the United Kingdom imported only 357 tons from countries other than U.S., against 439,000 tons from the United States.

**Visitors' Tax-free Purchases.**—The experimental purchase tax coupon scheme, which enables visitors holding United States or Canadian passports to buy goods across the counter free of purchase tax (see *C. & D.*, 1950, I, 454), is to be continued with certain modifications. The main changes are that, for goods that have already borne tax:—(a) The allowance that may be claimed on any sale is now the amount of tax the article can be shown to have borne instead of the one-sixth, one-quarter, or one-third of the tax-inclusive retail selling price; and (b) direct repayments by Collectors of Customs and Excise are being discontinued and the retailer will obtain reimbursement by a credit from the registered supplier of the goods (on lines similar to those in operation for the personal export scheme). The colour of the coupons at present being issued to visitors is brown, but during the coming tourist season they will be blue. Traders may accept either blue or brown coupons until further notice. Members of the U.S. and Canadian forces and their wives and families are not entitled to use the scheme. Further information may be obtained from the local officer of Customs and Excise.

**Improving Co-operation in the Health Service.**—To improve co-operation between the three main branches of the National Health Service (hospital, general practitioner and the local health services) recommendations have been made to the Minister of Health for the setting-up of local Joint Health Consultative Committees. The recommendation is contained in a report just issued by the Central Health Services Council giving the findings of a committee the Council appointed in March 1950. The attention of all the authorities concerned is being drawn to the report, and each Regional Hospital Board is being invited to take what it considers to be the most suitable steps to further co-operation of the health services in its region. The report suggests a conference in each hospital region to consider how the various authorities administering the health services locally might best group themselves into "local health areas" and set up joint consultative committees. No attempt is

made to impose a set pattern of areas to be covered. The suggested membership is one-third provided by the Hospital Management Committee (or Committees), one third by the Executive Council (or Councils) and local medical committee, and one-third by the county and/or county borough concerned. The committee would discuss local arrangements of mutual concern; receive information of major developments contemplated by member authorities; and suggest modifications.

**Examination Results.**—The following candidates satisfied the examiners in the Chemist and Druggist Qualifying examination of the Pharmaceutical Society which was held in April:

ENGLAND AND WALES	
Adjepong, Sam B.	Harris, Brian
Blackmore, Anne	Hill, Frances M.
Brocklehurst, Dennis J.	Hughes, Elva W.
Butter, John	Hyman, Vivian J.
Callicutt, James E.	Jenkins, Gwenllian A.
Clarke, Kenneth	Jones, Dennis
Costiff, Peter B.	Marks, Richard J.
Davies, Gwyn	Moody, Evelyn F.
Davies, Thomas G.	Moore, John H.
Eccles, Margaret	Parry, June M.
Evans, Thomas R.	Pritchard, Hugh L.
Gale, Pamela M.	Richardson, Mary L.
Glead, Dorothy J.	Roberts, Alfred
Good, Albert M. J.	Vaughan, Geoffrey R.
Harper, Wilfred O.	Weiss, Ivan R.

SCOTLAND	
Abdurahman, Remze I.	Lore, Derek A. V.
Barker, David	McCaffrey, Ethel M.
Benedict, Joseph W. H.	McClemens, Patricia
Benson, Michael B.	McGill, Catherine M.
Brearley, Betty	Marshall, Trevor S.
Butters, Gordon R.	Murray, Scott
Cook, Maurice I. R.	Nyman, Russell
Dougal, James W.	Ottley, James R.
Eastwood, John D.	Russell, William D.
Edmondson, David A.	Tite, Richard J.
Harrap, Cedric A.	Tomlinson, James W.
Jones, Richard K.	Wilkinson, Richard H.

## LOCAL NEWS

**Factory Visits.**—Members of the Ashton-under-Lyne Branch of the Pharmaceutical Society visited the laboratories of Thomas Kerfoot & Co., Ltd., Vale Bardsley, Lancs, recently.—Twenty students from the School of Pharmacy, London University, visited the plant of Glaxo Laboratories, Ltd., Greenford, March 20.

**Photographic Gadgets.**—West Herts Association of Pharmacists prepared the photographic season by engaging G. W. Roome (Ilford, Ltd.) to advise them on "Photographic Apparatus Gadgets from the Dealers' Point of View." The gadgets shown included aluminium tripods weighing only a few ounces, folding flat for the pocket, a tripod br

a small tubular extension to counteract parallax; a pocket viewer for colour film hardly larger than a matchbox and a compact filmstrip printer.

**N.H.S. in Shropshire in 1950.**—At a meeting of the Shropshire Executive Council held on April 17, Mr. F. Weston (who was re-elected chairman) said that the number of prescriptions issued in the county in 1950 was 1,480,904. The cost was £150,274. That was, he said, an average of 2s. 10½d. per prescription while the average for the whole country in 1950 was 3s. 2½d.

**Appliances Advertised.**—A case referred to the Pharmaceutical Service Committee of the Sheffield Executive Council, and involving the advertising of appliances, has resulted in a recommendation to impose a fine of £2 2s. The case arose from a resolution by the Pharmaceutical Committee, which drew the attention of the local Executive Council to examples of advertising by a company included in part C of the Council's pharmaceutical list. The resolution was later adopted by the Council. Appearing before the Service Committee, the company's secretary said that he showcards complained of were issued during his absence, and that he had given instructions for them to be destroyed.

**Plymouth Branch Activities.**—At its first meeting, Plymouth Branch of the Pharmaceutical Society, augmented by students who were welcomed, Dr. Findlay Burroughs Wellcome & Co.) showed the films "Preparation of Diphtheria Antitoxins and Prophylactics" and "Foxgloves Medicine." Dr. Findlay led the discussion that followed. The speaker at the

February meeting was Mr. T. E. Morris, one of the inspectors of the Pharmaceutical Society, who answered members' questions after an address. In January the Branch saw two films produced for Imperial Chemical Industries, Ltd.: "Physiology of the Kidney" and "Properties of Acetylcholine."

## IRISH NEWS

**ACTH Factory Planned.**—Plans have been completed for the large-scale production in Ireland of ACTH and other medicinal products by a recently formed Franco-Irish company to be known as the Biological Institute of Ireland, Ltd. The company will work in collaboration with a new meat packing industry (Frigorifico of Ireland, Ltd.), and will be located at Grand Canal Street, Dublin. The intention of the promoters is to enter the world market for the sale of ACTH, and production is expected to commence by October.

**N.I. Government Accounts.**—The payment of National Assistance to pharmacy apprentices who interrupt their employment to pursue full-time pharmacy courses at the Belfast College of Technology is again referred to by the Comptroller and Auditor-General in his report on the 1950-51 accounts of the Government of Northern Ireland. The report states that unemployment benefit is not paid to such students as they are not held to be available for work, and in October, 1951, assistance allowances were refused by the Assistance Board. The students appealed. The first appeal, heard by a Tribunal on October 11, 1951, was disallowed, but a fortnight later eleven similar appeals were allowed by a differently constituted Tribunal. The report comments: "The majority of the appeals having succeeded it would seem to follow that payments of national assistance in this particular category will continue." Reviewing the cost of Pharmaceutical Services the Comptroller and Auditor-General says that services continue to expand and the expenditure of £1,592,468 for the year was almost 25 per cent. more than in 1949-50. Chemists and suppliers of appliances received £1,489,636. The number of prescription forms dispensed in 1950-51 was 4,805,172 as compared with 4,334,778 in 1949-50 and the average cost increased from 5s. 9d. to 6s. 2d.



**TIRING CHAIRMAN RECEIVES INSIGNIA:** Mr. H. Edwards (retiring chairman, Bristol Branch, Pharmaceutical Society) receiving the new Branch insignia (a gold medal and ribbon) from Mr. G. H. Mirling (pharmacist, Bristol Royal Infirmary). On Mr. Edwards's right is the new chairman (Mr. M. Cooper (head of Bristol school of pharmacy)).

## CONFERENCE PRELIMINARY PROGRAMME

THE preliminary programme has been issued of the British Pharmaceutical Conference, Nottingham, September 1-5:—

**MONDAY (SEPTEMBER 1).**—At 3.30 p.m., afternoon tea at the University; at 4.30, opening session and address by Conference chairman in Great Hall; at 8, civic reception and dance at Nottingham Council House.

**TUESDAY.**—At 9.30 a.m., science session in Great Hall; at 11.30, ladies' informal meeting; at 1 p.m., luncheon; at 2.15, science session in Great Hall; also at 2.15, ladies' excursion to Southwell Minster; at 4, tea for members attending science session; at 4.30, science session (continued); and at 8, reception (academic dress) and dance at University.

**WEDNESDAY.**—At 9.30 a.m., science session in lower hall; at 9.45, ladies' excursion to Newstead Abbey (home of Byron); at 10, branch representatives' meeting in Great Hall; at 1.15 p.m., luncheon; at 2.30 branch representatives' meeting (continued); also at 2.30, ladies' excursions to selected factories; at 4, afternoon tea; at 7.30 for 8, conference banquet at "Astoria."

**THURSDAY.**—At 9.45 a.m., conference excursion, "The Hills and Dales of Derbyshire." Evening free.

**FRIDAY.**—At 9.30 a.m., symposium session in Great Hall; at 1 p.m., luncheon; at 2.15, science session in Great Hall; at 2.15, sports; at 4, afternoon tea; at 4.45 closing session in Great Hall; at 8, conference ball at "Astoria."

The ladies' excursions are primarily for ladies not interested in the science sessions, but a few places will be available for gentlemen on two excursions only (to Southwell Minster and to Newstead Abbey) upon payment of 10s. per excursion (charge is at direction of the Conference Executive). Early application is essential; it should be made (with remittance) to the honorary local treasurer.

A description of the accommodation arrangements was given in last week's issue (pp. 542-43). The charges are £5 4s. 6d. per person, Monday afternoon to Saturday morning, or (for a limited number) £6 6s. 6d. per person, Sunday afternoon to Saturday morning, including all gratuities. Visitors will not be able to select their hall, but anyone who for health reasons requires a ground-floor room should say so when applying. Ration books should be taken and visitors are asked to make their

own beds each day. For staff reasons there will be no early morning tea. Limited accommodation is available at the Victoria, Black Boy, Flying Horse, Welbeck, and George hotels, and visitors wishing to stay there should write at once to the hotel selected. Applications for books of Conference tickets accompanied by remittance (£5 5s. per book), should be sent to the honorary local treasurer, Mr. D. E. Sparshott, Boots Pure Drug Co., Ltd., Station Street, Nottingham. Applications for accommodation at the Halls of Residence should also be sent to the local treasurer, and payment is asked for with the application. If that is inconvenient, payment may be made at the Conference Office.

## PROPRIETARY ARTICLES TRADE ASSOCIATION

THE report of the Proprietary Articles Trade Association for 1951 which is being discussed at the annual meeting on April 24, states that 359 manufacturers had products on the protected list, and membership of the wholesale section had increased to sixty-six. The number of "approved wholesalers" had also increased. Membership of the retail section now exceeds 11,000 (an increase of more than 1,000)—an improvement attributed to chemists' "increased consciousness of the value of the P.A.T.A. and a growing realisation of what the threat to its existence means."

The campaign on behalf of resale price maintenance is reviewed. The council is satisfied that, at the appropriate times, all possible steps likely to assist in ensuring the preservation of the P.A.T.A. system were taken. While expecting that price maintenance is now likely to be a less urgent political issue, the council do not intend to "adopt an attitude of complacency." The P.A.T.A. defence fund, to which members generously contributed £11,400, is being administered by trustees solely for the purpose stated in the appeal.

The Association's income and expenditure account for 1951 shows that membership subscriptions totalled £13,194. Revenue from manufacturers was £3,782, from wholesalers, £3,565, and from the retail section £5,846. Donations from manufacturers and retailers amounted to £861. The income derived from each section shows an increase of just over £1,000 over the figure for 1950.

## TOPICAL REFLECTIONS

### British Pharmaceutical Conference

The article headed "Accommodation for Conference Visitors" (pp. 542-43) gives prominence to a feature which, so far as I am aware, is new in the annals of the British Pharmaceutical Conference. Members can be lodged in the Halls of Residence of Nottingham University. Your illustrations show how sumptuous a group of buildings the University comprises: all I miss from those pictures is the swans shown in your block of the south front in the *C. & D.*, 1928, II. 39. The occasion was the opening by King George V of the main building, provided by the late Lord Trent (then Sir Jesse Boot). As one of the audience at the opening ceremony, I remember the impression made by the dignified proportions and furnishing of the great hall. It should form a perfect setting for a scientific gathering. As your article indicates, considerable additions have since been made to the premises. When the Conference met in Nottingham in 1922—the year, by the way, in which the foundation stone of the new University building was laid—the headquarters were at University College in the centre of the city, a building opened in 1881. The College was governed by a committee of the Nottingham City Council till 1903, when a charter was granted vesting the government in a court consisting of the Council with a president and vice-president elected by it. By 1922 the day students numbered about 1,000, and the evening students about 2,000.

### Weeks of Festivities

Dinners and dances are much in evidence in your issue of April 19: it looks as if associations and branches of our national bodies made a point of holding them before summer-time arrived. Much that is said on these occasions is, so to speak, common form. If we know who is representing one of the headquarters at a function, we can make a fairly good guess at what will be said. Yet there are good sentences to be heard from top tables. Many of us are glad to learn, from p. 540, that the veteran Mr. E. Saville Peck was able to attend a pharmacists' dinner in his native city of Cambridge and to make a speech. His remark that there is room for a higher qualification is food for thought. What qualification or qualifi-

cations Mr. Peck had in mind I do not know; but in any case there will be general agreement that qualification in pharmacy must not be reduced to a uniform level. Different functions demand different qualifications. The statement of Mr. D. E. G. Fisher that the Qualifying examination of the Pharmaceutical Society is "the equivalent of a good university degree" needs elucidation. The one may be the equivalent of the other for some purposes: it is not so for all. A competent student obtains much more from a university degree than skill to conduct a business. The subject is not new.

### Not Quite in Step

The survey of the present Netherlands and Belgian Pharmacopœias (p. 548) discloses an unsatisfactory position. With every desire to make allowance for the fact that both countries were under enemy occupation during the greater part of the war of 1939-45, I regret that more has not been done in the way of bringing both books into line with comparable books of reference in certain other countries. The collective result of publication of these reprints and supplements is to put pharmacy in both countries in a position similar to that of pharmacy in the United Kingdom in the years immediately preceding 1948, when pharmacists and others using official standards had to be content with the British Pharmacopœia of 1932 and a profusion of Addenda. Professor Herbert Butterfield draws an interesting distinction, in his recent book "History and Human Relations," between "history as a work of 'resurrection'" and "history as rather an endeavour of analysis and a study of the processes that have taken place at one period or another." In the first kind of history, the historian attempts to establish "what actually happened at a certain time" or to reconstruct a scene and so forth; in the second kind, causes are the main object of search. I mention this reference because it seems to me that books like the two Pharmacopœias named are in danger of slipping back into records inadequate for their presumed purpose; and I am wondering how the future historian will place them. Will, for instance, the change from the sirupus diacodii of the Netherlands Pharmacopœia of 1926 to that of its present reprint give him a problem too intractable to solve?

Xrayser

## COMPANY NEWS

MILTON ANTISEPTIC, LTD.—Lord Waldegrave has joined the board.

MONSANTO CHEMICALS, LTD.—Turnover for 1951 exceeded £10 millions for the first time. The value of direct exports was 56 per cent. higher than in the previous year and represented 33 per cent. of total turnover. Results were published in THE CHEMIST AND DRUGGIST, March 22, p. 386.

COOPER, McDougall & ROBERTSON, LTD.—Consolidated net profit for 1951 was £249,689 (against £94,341 in 1950) after deducting overseas taxation, £81,021 (£35,565) and U.K. tax, £282,540 (£235,814). A dividend of 10 per cent. is recommended (8 per cent. plus 2 per cent. bonus).

CUSSONS, SONS & CO., LTD.—A final dividend of 22½ per cent., making 37½ per cent. for the year on capital increased by 33½ per cent., share bonus is recommended (against 50 per cent. on smaller capital in the previous year). Profit was £165,965 (£272,079) before tax of £98,457 (£154,857).

ALLEN & HANBURYS, LTD.—Details of the new share issue (see C. & D., March 29, p. 418), for which Treasury consent has been obtained, were announced after an extraordinary general meeting held on April 21. Ordinary shareholders are to be offered five new shares of £1 each for every three shares held. The price will be £2 per share and will rank *pari passu* with the old, except that they will not participate in any dividend in respect of the year ending June 30.

EVANS MEDICAL SUPPLIES, LTD.—The accounts for 1951 (see C. & D., April 12, p. 498), are presented in columnar form and a six-years' review of the group figures is given. £586,667 was paid to employees in the parent company as compared with £194,958 for U.K. income and profits tax and £35,900 for preference and ordinary dividends. The chairman, Mr. I. V. L. Fergusson, in the report, observes that if all drugs and medicines were supplied on the National Health Service without profit and with non-return on capital invested in the pharmaceutical industry, the total cost of the Service during 1951-2 might have been reduced only by about £1.5 millions (to some £469 millions). The ordinary dividend forecast for 1952 could not be set higher than 8 per cent. (excluding bonus).

## New Companies

DESBYS (PHARMACEUTICALS), LTD. (P.C.)—Capital £1,000. To carry on the business of manufacturing and general chemists, herbalists, seedsmen, etc. Maurice Cohen and Sylvia R. Cohen, directors. R.O.: 2 New Charles Street, Goswell Road, London, E.C.1.

KEVIN G. JUDGE, CHEMISTS, LTD. (P.C.)—Registered in Dublin. Capital £500. To acquire the premises at 140 Francis Street, Dublin, and to carry on the business of chemists, druggists, drysalters, etc. Kevin G. Judge is first and permanent director.

WILLIAM SCOTT CHEMIST, LTD. (P.C.)—Registered in Edinburgh. Capital £3,000. To carry on the business of wholesale and retail chemists, etc. William L. Gilaryl and John C. Henderson, subscribers. The first directors are to be appointed. R.O.: 257 West George Street, Glasgow.

S. F. JACQUES (LIVERPOOL), LTD. (P.C.)—Capital £20,000. To carry on the business of retail chemists and druggists, makers of and dealers in surgical instruments, etc. Gwendoline E. Jacques and Cyril M. Jones, M.P.S., directors. R.O.: 202 Cherry Lane, Liverpool, 4.

## BUSINESS CHANGES

MR. H. H. DAVIES has been appointed chairman of the Welsh Board of Health from June 1.

W. A. SPARROW & CO., LTD., 4 Chiswell Street, London, E.C.1, have opened an office at 1 Waterloo Street, Birmingham.

THE COOPER LABORATORY, LTD., have removed to Old Farm Road, West Drayton, Middlesex (see also announcement in C. & D., April 19, p. 392).

THE executors of the late Mr. J. W. Downie, M.P.S., are continuing the business of his pharmacy at 801 Maryhill Road, Glasgow, N.W., until it is sold.

## Appointments

MR. J. ROBERTS has joined Genatosan, Ltd., Loughborough, as representative for Middlesex and North London area.

MISS JOAN ALLEN, Ph.C. (chief pharmacist, Withington Hospital, West Didsbury, Manchester, 20) has been appointed chief pharmacist at Hammersmith Hospital, Ducane Road, London, W.12.

MR. B. KENT JONES, M.P.S., was appointed secretary of James Woolley, Sons & Co., Ltd. on April 1. He will combine that office with his present position of general manager.

## LEGAL REPORTS

**Assistant Put on Probation.**—An 18-year-old married girl, Irene McClean, Hilltop Road, Windsor, was put on probation for one year by the Windsor magistrates recently after she had pleaded guilty to embezzling £1 she received on March 22 for her employers, Boots, Ltd.

**Alleged Alterations of Prescriptions.**—Accused of altering a doctor's prescription by adding Roman numerals to increase his supply of Benzedrine and Dexedrine tablets from a chemist, Thomas Glyn Davies, 195 Hampstead Road, Great Barr, Birmingham, was ordered at West Bromwich court recently to pay costs totalling £9 8s. He pleaded not guilty to two charges. On the first charge he was given a conditional discharge for twelve months, and on the second an absolute discharge. It was alleged that a prescription made out for twenty tablets had been altered by Davies by adding the Roman numeral "X," as a result of which he was supplied with thirty tablets by Thomas

Henry Totty, M.P.S., Walmley Road, Sutton Coldfield. He was alleged to have made a similar alteration on a prescription for fourteen tablets. Mr. Totty noticed that the second prescription appeared to have been altered and told the Executive Council. The prescriber, in evidence, said that on neither prescription was the initial Roman numeral "X" in his handwriting. It was essential for Davies to have a nerve stimulant to begin the day, and he was never allowed to be without tablets, though the onus was on him to call at the surgery when his supply was getting low. Denying that he altered the prescriptions, or that he knew they had been altered, Davies said the first was taken to the chemist by a boy at his place of employment and the second by himself, but he never checked the number of tablets he was given. The deputy stipendary said he was satisfied Davies had altered the prescriptions. "In view of the heavy cost of the administration of the Health Service something must be done to prevent it."

## MANX PHARMACEUTICAL SERVICE COSTS

PRESENTING an estimate of £580,297 for the Isle of Man's health services in the Tynwald recently, Mr. T. C. Cowin (the Island's Minister of Health) said that the rising cost of pharmaceutical services (£65,000 in the current year) was causing grave concern. A committee had been set up under the chairmanship of Dr. H. H. Corrigal to investigate prescriptions. Their findings would be available in about twelve months' time, and any doctors who regularly overprescribed would have to justify it to their professional colleagues. "In a year or so, we will put a stop to over-prescribing," he said. The Health Service Board could not force doctors to keep to the National Formulary though it had asked them to. The offenders were the younger doctors. Doctors who had had experience under the National Health Insurance scheme were the best.

From the beginning of the scheme, in July 1948, up to the end of February 1952, prescriptions dispensed totalled 1,098,350, and £193,048 had been paid to chemists, and the average cost per prescription had risen to 4s. 3½d. The cost under the National Health Insurance scheme ten years ago had been just over elevenpence per prescription. The charge of sixpence for each prescription form had resulted in a saving of £5,188 in 1951, though exemp-

tions had been given to 10,011 persons, about 20 per cent. of the population.

MR. J. C. NIVISON said the whole scheme might topple over through lack of co-operation by the doctors. He knew people who had very expensive proprietary brand medicines prescribed for them when something equally suitable could be obtained in a loose form at a tenth of the cost. "The doctors are competing with each other to see who can give the most expensive medicines," he said. "Everyone knows this is going on, and when travellers from the manufacturing chemist come over with new brands of medicines they do not go to the chemists, but to the doctors."

MR. COWIN: "I cannot accept that travellers persuade doctors to prescribe their medicines, and will not believe it."

Continuing, Mr. Nivison said he was opposed to the sixpence prescription charge, and doubted if it meant any saving when the cost of collecting and administration were taken into account.

MR. H. K. CORLETT said he was concerned that the Island's health scheme should cost so much more than in England—£10 per head of the population. The time would come when the Manx Government would have to bring over experts to study conditions on the Island.

The estimate was approved.

## BIRTHS

HAMILTON.—At Urmston Cottage Hospital, Manchester, on April 18, to Marjorie, wife of James A. Hamilton, M.P.S.N.I. (formerly of Strabane, Northern Ireland), 7 Meldon Road, Longsight, Manchester, 13, a son.

WARD.—On April 19, to Kathleen, wife of Kenneth Cecil Ward, M.P.S., Laburnum Villa, Main Street, Glenfield, Leicester, a daughter (Kathryn Avril).

## MARRIAGES

DAWSON—HUGHES.—At St. Andrew's Church, Rothesay, Bute, on April 14. J. Owen Dawson, B.Sc., Ph.C., 133 Onslow Drive, Glasgow, to Monica Hughes, 18 Auchnacloich Road, Rothesay.

HARMAN—SWAN.—At the United Presbyterian Congregational Church, Southampton, on April 12, Derek Harman, Portchester, to Betty Isabel Swan, daughter of John Swan, M.P.S. (sales director, Herbert Ferryman, Ltd., and secretary of the Southampton Branch, Pharmaceutical Society), 6 Fernlea Gardens, Bassett, Southampton.

ORR—HICKEY.—At Christ Church, Chiswick, London, W.4, recently, Ian Orr, M.P.S., Tantallon, St. Leonard Street, Lanark, to Dora Hickey, Turnham Green, Chiswick.

## DEATHS

BANNER.—Recently, Mr. John Finlay Harper Banner, M.P.S., Kensmead, Eastgate-in-Weardale, Bishop Auckland, co. Durham, aged seventy-four.

BROOKES.—On March 16, Mr. Leonard Brookes, M.P.S., 66 Leamington Road, Blackburn, Lancs, aged fifty-one.

COTTIS.—At her home, Crown Cottage, Dedham, Essex, on March 14, Mrs. Jessie Mildred Cottis (wife of Mr. Percy Everitt Cottis, M.P.S., in business at 127 High Street, Walton-on-Naze, Essex).

CRIPPS.—In Zurich, Switzerland, on April 21, Sir Stafford Cripps, aged sixty-two. Sir Stafford served as President of the Board of Trade, July 1945 to September 1947; he was then appointed Minister for Economic Affairs, and a few weeks later Chancellor of the Exchequer. He resigned from that post because of illness in October 1950.

DALTON.—On March 8, Mr. Archibald Henry Dalton, M.P.S., 98 Beechmead

Avenue, Kenton, Middlesex. Mr. Dalton qualified in 1925.

FAULL.—On March 31, Mr. Arthur Faull, M.P.S., 67 Tong Street, Dudley Hill, Bradford, Yorks, aged seventy-seven.

HIGSON.—On March 30, Mr. John Charles Higson, M.P.S., 7 Plover Street, Burnley, Lancs, aged fifty-eight. For the past twenty-five years Mr. Higson had been manager for L. G. Ogden, Ltd., 305 Padham Road, Burnley. He had had a short illness.

KELLY.—Suddenly on April 14, Mr. Hugh Montgomery Kelly, M.P.S.I., M.P.S.N.I., 98 Duke Street, Londonderry, Northern Ireland, aged sixty-five. Mr. Kelly, qualified under the Pharmaceutical Society of Ireland in 1912, and had been in business in Londonderry since 1919, when he took over the pharmacy of Mr. Donald Stewart. Mr. Kelly registered as a member of the Northern Ireland Society in 1926. He was a past-president of the Londonderry Chemists' Association and one of the most prominent businessmen in the city. A native of Doagh, co. Antrim, he is survived by his widow, a son (Dr. T. M. Kelly), and two daughters. Another son was killed on active service during the war. At the funeral in Belfast the Council of the Pharmaceutical Society of Northern Ireland was represented by Messrs. H. F. Moore and W. Gorman (secretary), the Ulster Chemists' Association by Messrs. W. J. Rankin (treasurer), J. Wellwood and W. J. Stevenson, and the Londonderry Chemists' Association by Mr. Arthur Dixon.

LAWSON.—Recently, Mr. Arthur Lawson, M.P.S., 46 Bell Road, Hounslow, Middlesex, aged ninety-four. Mr. Lawson was thought to be the oldest practising pharmacist in Britain.

LEA.—At St. David's Hospital, Cardiff, on March 19, Mr. Frederick Lea, M.P.S., 22 Rectory Road, Cardiff, aged seventy-two.

LOWE.—At 25 Kilnhouse Lane, Lytham St. Anne's, Lancs, Mr. Wilfrid Lowe, aged seventy-four. Mr. Lowe qualified as a chemist and druggist in 1904.

NICHOLSON.—At 2 Bangholm Terrace, Edinburgh, on April 12, Mr. John Gordon Nicholson, Ph.C., formerly of 91 Hanover Street, Edinburgh. Mr. Nicholson qualified as a chemist and druggist in 1894 and passed the Pharmaceutical Chemist examination in 1896.

## PERSONALITIES

MR. JOHN WILLIAM SAMPSON, M.P.S., Kirton, Lincs, has been returned unopposed as the Kirton representative on the Holland (Lincs) County Council.

MR. C. H. PATRICK, M.P.S., who entered a Reading nursing home for an operation on April 2, is making satisfactory progress and hopes to be back in his Twyford, Berks, pharmacy by May 1.

MR. GERALD C. O'NEILL, the recently elected president of the Irish Drug Association (*C. & D.*, April 19, p. 528) has been a member of the Council of the Pharmaceutical Society of Ireland since 1944.



An Ulsterman by birth, Mr. O'Neill received his secondary education at St. Patrick's College, Armagh. In 1925 he was apprenticed with the late Mr. T. Costello, M.P.S.I.,

149 Lower Drumcondra Road, Dublin, and qualified as a Licentiate of the Pharmaceutical Society in 1930. A year later he acquired the Blackrock Pharmacy. When the idea of raising money for the Society's Benevolent Fund through a dance function was mooted, Mr. O'Neill became chairman of the first Benevolent Fund Dance committee. Mr. O'Neill first became associated with the I.D.A. in 1938 when he was co-opted to the committee and has served the association as a committee member, and, for the past two years, as vice-president.

THE following have been elected Fellows of the Royal Society:—Sir Wallace A. Akers (a director, Imperial Chemical Industries, Ltd.), Dalziel Ll. Hammick (Aldrichian Praelector in Chemistry, Oxford University), Frank S. Spring (professor of organic chemistry, Royal Technical College, Glasgow), Marthe Vogt (lecturer in pharmacology, Edinburgh University) and Donald D. Woods (reader in microbiology, Oxford University).

MR. L. R. OSMOND (a director of Osmond & Son, Ltd., manufacturing chemists, Grimsby) has been appointed president of Grimsby Town Football Club. Mr. Osmond succeeds his father (the late

Alderman L. K. Osmond) who was president of the club up to his death in 1946. Mr. L. R. Osmond was appointed to the club's board after his father's death. He entered his father's business as a young man, and is now also a director of associate companies in Australia, New Zealand, South Africa, the Irish Republic, and Holland.

## COMING EVENTS

**Monday, April 28**

FRANCO-BRITISH PHARMACEUTICAL COMMISSION, Heriot-Watt College, Edinburgh, at 11 a.m. Professor M. Guillot on "The Use of Radioisotopes in Clinical Biology." At 2.30 p.m., Professor Guillot on "Pharmaceutical Education in France," 36 York Place, Edinburgh, at 8 p.m. (in conjunction with Edinburgh and South-eastern Scottish Branch, Pharmaceutical Society). Mr. R. L. J. Morice on "Pharmaceutical Organisation in France" and film "Injection Solutions."

**Tuesday, April 29**

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, The Wellcome Club, Dartford, at 8 p.m. Annual meeting and film show.

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Lecture Theatre, Medico-Chirurgical Society, 64 St. James Street (Old Market Square), Nottingham, at 7.30 p.m. Annual meeting.

WEST MIDDLESEX BRANCH, NATIONAL PHARMACEUTICAL UNION, Feathers Hotel, Ealing Broadway, London, W.5, at 7.45 p.m. Mr. Allen Aldington on "You in N.P.U."

**Wednesday, April 30**

BEDFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, The Dujon, High Street, Bedford, at 7.15 p.m. Annual dinner and dance.

EASTBOURNE BRANCH, PHARMACEUTICAL SOCIETY, Cumberland Hotel, Eastbourne, at 8 p.m. Dance.

LIVERPOOL CHEMISTS' GOLFING SOCIETY, West Derby. First meeting of the season. Details from: Mr. C. S. Cullen, 74 Priory Road, Anfield, Liverpool, 4.

LONDON CHEMISTS' GOLFING SOCIETY, Hadley Wood Golf Club (telephone: Barnet 4328). First meeting of season.

NORTH, EAST, SOUTH-WEST, SOUTH-EAST AND WEST METROPOLITAN BRANCHES, PHARMACEUTICAL SOCIETY, 17 Bloomsbury Square, London, W.C.1, at 8 p.m. Joint meeting for hearing statements of policy from candidates for the Society's Council election.

TEES-SIDE BRANCH, PHARMACEUTICAL SOCIETY, Cleveland Scientific and Technical Institution, Corporation Road, Middlesborough, at 7.30 p.m. Annual meeting.

TUNBRIDGE WELLS BRANCH, PHARMACEUTICAL SOCIETY, Wynne's Restaurant, Tunbridge Wells, at 3 p.m. Annual meeting.

**Thursday, May 1**

DURHAM COUNTY BRANCH, PHARMACEUTICAL SOCIETY, Royal County Hotel, Old Elvet, Durham City, at 7.30 p.m. Annual meeting.

**Friday, May 2**

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION and BRANCH, A. J. Carpenter's restaurant, 3 The Pavement, London, S.W.4, at 7.45 p.m. Annual meeting.

EXETER BRANCH, PHARMACEUTICAL SOCIETY, St. George and Dragon Hotel, Clyst St. George, Exeter, at 7.45 p.m. Buffet dance.

## PRICE CHANGES

**Boots Pure Drug Co., Ltd.** (crystalline penicillin only); **Distillers Co. (Biochemicals), Ltd.** (through recognised distributors); **Glaxo Laboratories, Ltd.** (reduced prices from April 28)

Crystalline penicillin,

0.1 mega unit, each

0.2 m.u., each

0.5 m.u., each

1.0 m.u., each

5.0 m.u., each

10.0 m.u., each

Procaine penicillin G, oily

injection, each ...

Penicillin oily injection,

B.P., each ...

**Boots Pure Drug Co., Ltd.**

Oily injection of penicillin, B.P.,

125,000 international

units per c.c., 10.c.c. ...

Procaine penicillin for

aqueous suspension, vial

of 3 mega units ...

**Chilton Electric Products, Ltd.** (from April 1).

Buk electric dry shaver

Kub electric dry shaver

**Cuxson, Gerrard & Co., Ltd.**

Tablets Bis. Mag. C.G.

round 6-lb. jars, lb. ...

Penicillin veterinary sus-

pension, single-application

tube, 50 000 units

100,000 units ...

Sterilised sutures, braided

silk, sizes 2/0-8 ...

Sterilised sutures, Dott's

silk, sizes 2/0-3 ...

Umbilical cotton tape,

½-in., 2 x 14 in. ...

Distillers Co. (Biochemicals), Ltd.

Distaquaine G,

0.3 m.u.

0.9 m.u.

3.0 m.u.

Distaquaine fortified,

0.4 m.u.

1.2 m.u.

Distaquaine suspension

3.0 m.u.

Streptomycin (sulphate)

and Dihydrostreptomycin

(sulphate), 1 gm. (1 m.u.)

5 gm. (5 m.u.)

**Genatosan, Ltd.**

T.E.D. cough linctus,

2½-oz. ...

Ephedrine elixir, 2½-oz. ...

**Glaxo Laboratories, Ltd.** (from April 28).

Ostermilk, small lots ...

2-doz. lots ...

4-doz. lots ...

Farex ...

Imperial Chemical (Pharmaceuticals), Ltd. (from

April 28).

All penicillin and streptomycin prices reduced

except 0.1-mega-unit bottles of Avlon crystalline

sodium penicillin G.

**Robinson & Sons, Ltd.**

Sanitary towels:

Mene No. 0 ...

1 ...

2 ...

3 ...

4 ...

Menex new XO

standard ...

Westminster Laboratories, Ltd. (Additions)

Asbrook quick-acting

scrubbing brush

Scrubbing

## TRADE NOTES

**Discontinued.** — The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, announce that with the introduction of the new B.D.H. Vibelan Forte, supplies of Vibelan in all sizes are discontinued.

**Bonus Offer.** — An introductory offer of discounts of 5 per cent. on orders value £30s. (purchase price) and 10 per cent. on £50s. orders of 4711 matt-creme (for dry skins) from the manufacturers, R. J. Reuter Co., Ltd., Slough, Bucks, terminates on May 19.

**Agencies in Malta.** — On another page Malta Wholesale Drug Co., Ltd., Valletta, Malta, invite inquiries as to agencies for British drug-trade products in Malta. The company has recently been reconstituted to admit a 50 per cent. shareholding by local chemists.

**Propyl Thiouracil.** — Genatosan, Ltd., Loughborough, Leicestershire, announce that they are in a position to meet all requirements for propyl thiouracil tablets, which have been included in the N.F. 952. The tablets are issued in containers of 100, 250 and 1,000.

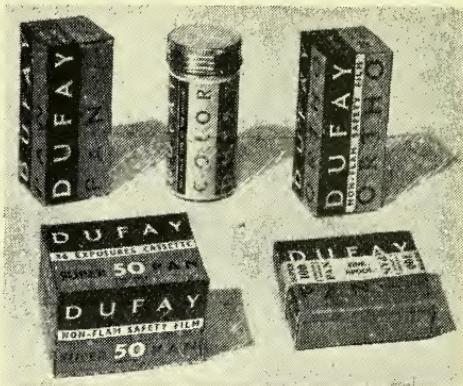
**Packing Service for the South.** — W. C. L., Ltd., Station Road, Warminster, Wilts, invite manufacturers north of a line from Bristol to the Wash to make use in the south of England of their facilities for light assembly, packing (including heat-sealing), warehousing, distribution, and sales service.

**Sole Selling Agents.** — On April 1, County Perfumery Co., Ltd., County Building, Honeypot Lane, Stanmore, Middlesex, became sole selling agents in Scotland for Prichard & Constance (Manufacturing), Ltd., and Silvikrin Laboratories, Ltd. (Amami and Silvikrin products).

**Activated Chlorophyll.** — A new company, Activated Chlorophyll, Ltd., formed jointly by Ashe Laboratories, Ltd., 120 Victoria Street, London, S.W.1, and Chemical Colloids Corporation, Ltd., will specialise in chlorophyll "tailor-made" for the user's requirements, but will also offer a standardised range of the material.

**Teat Redesigned.** — Allen & Hanburys, Ltd., Bethnal Green, London, E.2, announce that the Allenburys teat for cleft palate or hare lip has been redesigned for greater efficiency. Stocks are available and the old pattern has been withdrawn.

**Widened Range of Films.** — The series of panchromatic, colour, orthochromatic and super (fine-grain) panchromatic films

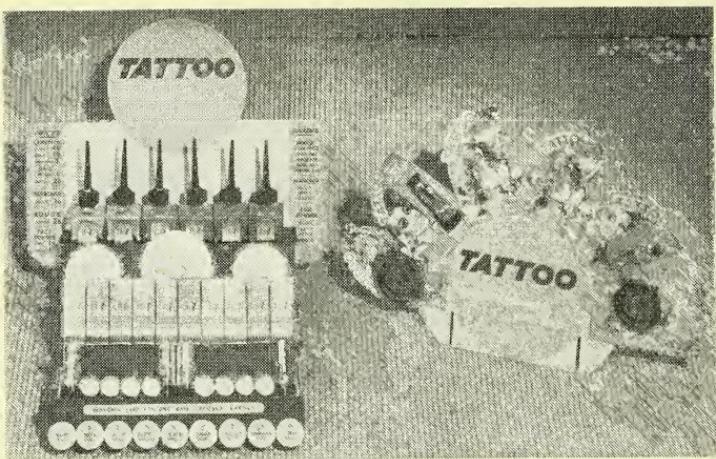


issued by Dufay, Ltd., Boreham Wood, Herts, illustrated, has been widened by the addition (lower right-hand corner) of Dufay Super 100 pan 888. The new film has a Weston speed of 100 to daylight, 64 to tungsten. Other speed ratings (to daylight and tungsten) are: B.S.I., 31° and 29°; and Scheiner, 32° and 30°.

**Fifteen-minute Home "Perm."** — Pin-up Cold Perm-wave Laboratories, London, N.W.10, are introducing a new Pin-Up home permanent-wave outfit, with Creme



Rose waving lotion that waves the hair in as little as fifteen minutes, and a new finishing lotion that produces a wave to "last much longer than ever before." The new Pin-Up is presented in large and junior size outfits and refills.



**In the Making.**—The title of the film shown at the opening of extensions to the Horsham works of Ciba Laboratories, Ltd. (see *C. & D.*, April 12, p. 517) was "Modern Drugs in the Making" and not as stated.

**Too Late to Correct.**—Cinex, Ltd., 9 North Audley Street, London, W.1, point out that the price of their Bolex ciné camera is £59 17s. 6d. The pages on which their announcement appears in this issue were already printed before the price which appears there could be corrected.

**Stomach Ulcer Tablets.**—Ulter stomach ulcer tablets are being marketed by Ulter (Bradford), Ltd., Bradford. The tablets contain bismuth subnitrate, magnesium carbonate, sodium bicarbonate, frangula and calamus. They are issued in containers of forty, 100 and 500 tablets.

**An Advance in Sunglasses.**—The Fish Optical Co., Ltd., 261 Harrow Road, London, W.2, are marketing through chemists a range of sunglasses with important advantages. The frames are light in weight, "optical" in design (made to fit the face) and have lenses of optical quality (Crookes B2). Hitherto the company's spectacles have been almost entirely exported, but are now, for the first time, available for distribution direct to retailers in this country. The Sungard spectacles are issued in cartons, in boxes of 1 doz., with four-colour showcard.

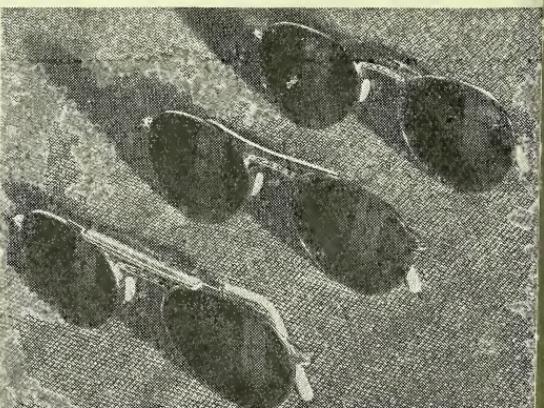
### Free Sales Aid.

—A new Tattoo counter - display unit is offered free with every order involving a purchase outlay of £7 3s. 8d., and including a representative stock. The unit enables the whole Tattoo range to be shown. In the illustration are shown counter-dispenser base and all-product crowner to fit upon it. A folder describing the offer, and a second offer of a

Perspex shade selector with orders (additional to the first) for 2 doz. Tattoo swivel lipsticks, is available from the sole distributors, Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1.

**Now Available to all Chemists.**—Innoxa 51 and 71 barrier creams are being made available for sale to all chemists through their wholesalers. Supplies are available for immediate delivery in minimum packs of 3 doz. tubes.

**Patchettes.**—T. J. Smith & Nephew Ltd., Neptune Works, Hull, are marketing waterproof Elastoplast "patchettes" in wallet-packs of six. Men find Elastoplast "patchettes" ideal for use after cuts in shaving; women like them for the efficient way they hide skin blemishes. The "patchettes" are flesh-coloured and "almost unnoticeable" under face powder.



## NEW PRODUCTS AND PACKS

**A New Perfume.**—Saville Perfumery, Ltd., Watford, draw attention on another page to their new Clique perfume, advertising for which is commencing in June.

**Beauty Treatment Shampoo.**—On other pages Noma Cosmetics, Ltd., Harlequin venue, Brentford, Middlesex, illustrate and describe their White Rain beauty treatment shampoo (by Toni). National advertising commences in June.

**The Perfume for May.**—COTY (ENGLAND), LTD., 3 Stratford Place, London, W.1, are marketing a new 1-oz. size, complete with sprig, of *Muguet des Bois* toilet water; *Muguet des Bois* perfume and soap are also available.—PICOT, LTD., London, W.6, have produced a new showcard for their *Le Muguet Fleuri* perfume.

**Travel-sickness Remedy for Children.** John Bell, Hills & Lucas, Ltd., Oxford Works, Worsley Bridge Road, London, E.26, have introduced Bromodal, a liquid travel-sickness remedy containing no schedules poisons. Terms are given on another page. The new product is being supplied at thirteen to the doz. on orders 3 doz. and over.

**Isonicotinic Acid Hydrazide.**—On another page HERTS PHARMACEUTICALS, LTD., Welwyn Garden City, Herts, draw attention to their Pycazine isonicotinic acid hydrazide, 50-mgm. tablets, in packs of 10, 500 and 1,000 and as a sterile solution in 2-ml ampoules containing 25 mgm. per ml.—ROUSSEL LABORATORIES, LTD., 77 Harrow Road, London, N.W.10, are applying a limited amount of isonicotinic acid hydrazide for clinical trial. They hope to make further supplies available shortly, and invite inquiries from hospitals testing the drug experimentally. Distribution through other channels will not be commenced "until further evidence has been obtained of the proper use of the drug and its limitations."—A. WANDER, LTD., 42 Upper Grosvenor Street, Grosvenor Square, London, W.1, announce that their research division has been investigating the antituberculous properties of isonicotinic acid isomers, and has produced cetal, the trials of which, in the chemotherapeutic treatment of tuberculosis, have proved sufficiently encouraging to warrant large-scale production. Pending its general release to the medical profession, the new speciality will shortly be made available controlled clinical trials in recognised hospitals.

## SCOTTISH DEPARTMENT EXECUTIVE

A MEETING of the Executive of the Scottish Department was held in Edinburgh on April 16, Mr. H. T. Thomas in the chair. Also present were the president of the Pharmaceutical Society (Mr. F. C. Wilson), the vice-president (Mr. W. J. Tristram), Messrs. J. Anderson, W. S. Culbert, W. T. Elder, G. S. Graham, J. B. Grosset, S. Hughan, J. Jolly, J. C. Lamb, C. W. Macfarlane, R. F. Mackay, J. C. Michie, A. A. Meldrum, J. Simpson, J. J. Skinner, H. T. Thomas and R. S. Whitelaw. The secretary and registrar of the Society (Mr. F. W. Adams) was also present. Apologies were received from Messrs. F. W. M. Bennett, C. G. Drummond, W. A. Park and G. M. C. Stewart. The chairman referred with regret to the death of Dr. Leonard Dobbin (*C. & D.*, March 15, p. 342). The resident secretary (Dr. D. McCall) reported that arrangements were in hand for the issue of nomination and voting papers for the Executive election. The date of the election would probably be June 3. It was arranged that, after all nominations had been received, each candidate would be asked to supply the resident secretary with a short biographical note for publication shortly before the election.

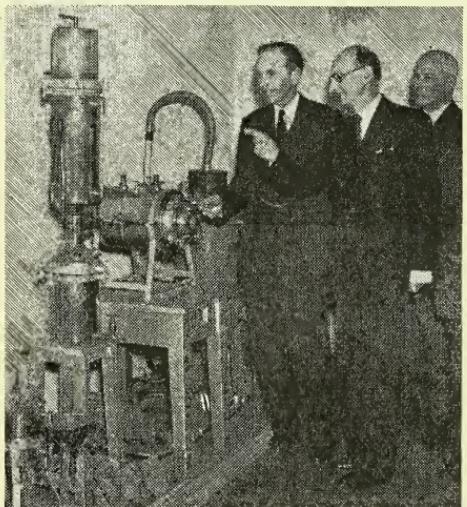
### Branch Secretaries to Meet

It was agreed that a meeting of secretaries of the branches in Scotland should be arranged to discuss programmes and speakers for the 1952-53 session. The session of the Scottish Department will open with an address by Professor John Read, Ph.D., M.A., Sc.D., F.R.S. (professor of chemistry, University of St. Andrews). The chairman (Mr. H. T. Thomas) and vice-chairman (Mr. S. Hughan) were appointed to represent the Executive of the Scottish Department at the annual and Branch Representatives' meetings to be held in London on May 20 and 21. The date of the annual and Branch Representatives' meeting in Edinburgh would probably be June 4. It was agreed that the chairman and vice-chairman should represent the Executive at the British Pharmaceutical Conference in Nottingham. Two apprentices had been registered in Scotland since the previous meeting of the Executive. It was agreed that the resident secretary should represent the Scottish Department at the Franco-British Commission Conference to be held in Vichy, France, in May.

## OPENING OF HERIOT-WATT LABORATORIES

THE new pharmacy laboratories of Heriot-Watt College, at 79 Grassmarket, Edinburgh, were formally opened by the Earl of Home (Minister of State for Scotland) on April 16. The laboratories have been in use since October 1951.

Lord Home said that Edinburgh, the college and the whole of Scotland were benefiting from the enterprise and foresight of the governors. There would always be a sympathetic ear in Government



The Earl of Home (Minister for Scottish Affairs) being shown an extraction and distillation unit by the principal (Dr. Hugh B. Nisbet) at the formal opening of the new pharmacy laboratories of Heriot-Watt College, Edinburgh.

departments for any extension the College might want to make in the future. During the next few years the country would find it difficult, owing to the capital investment restrictions, to build or re-equip factories. Britain's greatest chance of holding her own in a competitive world was to increase the productivity of existing industry. Therefore the courses offered by the Heriot-Watt College, from their very nature and variety, deserved and should receive the whole-hearted support of industry. The need for the new pharmacy department was undoubtedly. Modern discoveries in medical science and changes in medical treatment made it indispensable that the young student of chemistry and pharmacy should have thorough and up-to-date knowledge.

MR. F. C. WILSON (president, Pharmaceutical Society of Great Britain) said that the tradition of pharmaceutical education in Edinburgh was well known throughout the United Kingdom. He understood that, since 1919, the Heriot-Watt College had trained over 2,000 students in pharmacy.

MR. ROBERT WILSON (vice-chairman of the Governors) said that the extension was only the forerunner of what the Governors hoped to do for further technological education in Edinburgh. The total cost of the first and second extensions of the College completed before the 1939-45 war, and amounting to £132,485, had now been met, and, largely owing to the munificent gifts of a distinguished former student the fund for the third extension stood approximately £88,000. Work on the third extension began in March, and it was estimated it would cost £300,000.

## HISTORY OF SCOTTISH DEPARTMENT

IN celebration of the centenary of its establishment (as a "branch") the Scottish Department of the Pharmaceutical Society has published a 64-page "Brief History of the Scottish Department." A foreword by the chairman of the Executive (Mr. F. T. Thomas) states that it "deals with the outstanding events and personalities in the first hundred years of Scottish Pharmacy under the Pharmaceutical Society of Great Britain. Much of the information has been obtained from Minute Books, but the *Pharmaceutical Journal* and THE CHEMIST AND DRUGGIST have been freely consulted." In fact, the booklet deals first with early development of the Pharmaceutical Society in Scotland, 1841-52, and even claims direct descent for the Department from the Society of Druggist Apothecaries formed in Edinburgh in 1785. Chapters follow on the North British Council, 1858; the Executive, 1887-1952; the Board of Examiners; and the Secretaries, including Peter McEwan (1881-86), a former Editor of THE CHEMIST AND DRUGGIST, whom it is said "he was probably responsible, more than any other single person, for the wise choice of 36 York Place as the permanent headquarters of the Society in Scotland." The booklet is one that does honour to the Department and to the Society itself, and should be read not only by Scottish but English pharmacists. The price per copy is 4s. 6d.

## SCOTTISH DEPARTMENT CENTENARY DINNER

A COMPANY of more than 270 attended the centenary celebration dinner of the Scottish Department of the Pharmaceutical Society of Great Britain, held in Edinburgh on April 16. Mr. H. T. Thomas, M.P.S. (chairman of the Executive), resided, and the principal guest was the Earl of Home (Minister of State for Scottish Affairs).

PROFESSOR G. F. MARIAN (Professor of Chemistry in Relation to Medicine, University of Edinburgh), proposing "The Pharmaceutical Society of Great Britain," said it was a pleasure to do so as the society had done much for the profession of pharmacy in the past hundred years. He recalled the circumstances of the Society's foundation 111 years ago, and asked his hearers to note the order in which the names were listed in the charter (the advancement of chemistry and pharmacy; the promotion of a uniform system of education for those wishing to pursue the profession of pharmacy; and the protection of the interests of the practitioner in pharmacy). The wisdom of the founders of the Society was such that they felt that the advancement of science and the promotion of education to be far more important than the mere protection of the interests of members. Professor Marian concluded "There is no doubt in my mind at all that the Society has indeed lived up to the high aims and ideals of its founders."

MR. F. C. WILSON (president of the Society) said, in reply, it was Oliver Wendell Holmes who said "There are those who go ahead and do something; and there are those who sit back and ask why has not been done some other way." He was certain that those who founded their Society 111 years ago, and those who were responsible for the founding of the North British Branch, now the Scottish Department, were at least amongst those who went ahead and got things done. Though one of the early aims was to protect the interests of chemists and drug-

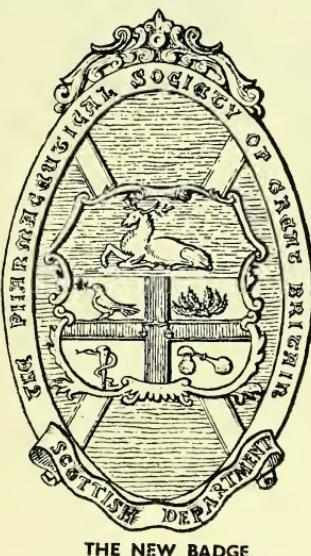
gists, the Society had also protected the interests of the public and the State. In the past hundred years there had been successive items of legislation culminating in Acts that had placed upon the Pharmaceutical Society more and more responsibility for the protection of the public and the State. He congratulated the chairman and the Scottish Department on achieving its centenary.

THE EARL OF HOME, proposing "The Scottish Department," said the occasion

was one for unrestrained rejoicing and congratulation for, in a life of a hundred years, the qualified members of their Society had established such a reputation for reliability and careful attention to clients' needs that the citizens of the State could go to the chemist with absolute confidence in his judgment and integrity. That was a fine achievement, of which the Society and the Scottish Department might well be proud. While the occasion was non-political, he was entitled to remind them that, but for the politician, their Society would never have been born. In 1841 a Parliamentary Bill had been proposed that

would have limited the practice of medicine to the medical practitioner. The pharmacists had successfully played on the British instinct that the expert is always wrong, and from the resulting political friction the Pharmaceutical Society of Great Britain had emerged. As they knew, the first meeting of the North British Branch of the Pharmaceutical Society had been held in Edinburgh in 1852. Messrs. John Duncan, J. F. McFarlan, and John McKay were there. How near to the present those names brought them. They were proud that well-known firms, high in the public esteem and bearing the names of original members, had played a large part in the affairs of the Society and of Scotland.

The aims of the Society had been to lay down the courses of training and standards of attainment to be reached by recruits. They had been so successful that



THE NEW BADGE

now an apprentice must reach a standard comparable to that of a University student.

In the old days the chemist had brewed the majority of the doctors' concoctions, and it must be said that the modern chemists' tendency to accept and retail proprietary medicines gave him a dull life compared with his ancestor of the 17th century. Let them note some of the ingredients which it was recommended should make up the stock of *materia medica*—earthworms, snails, woodlice, frogs, toads, and puppy dogs, while special virtues resided in "a fat fox of middle age." During the past hundred years the wonderful discoveries of the medical scientist, such as the anaesthetics, antiseptics, and penicillin, had done much to reduce ill-health and suffering.

"It is the duty of your Society, which it gladly assumed, to keep its members abreast of the latest medical developments, and to help your customers by quality and service to gain the maximum benefit from treatment. We are grateful. In conclusion I offer the Department my congratulations and wish it 'many happy returns of the day.'"

#### Investiture of Chairman

At this stage the president of the Society invested the chairman with the badge of office (see previous page).

DR. DAVID MCCALL (resident secretary in Scotland) said the badge was subscribed for by pharmacists resident in Scotland through the agency of the Branches. The badge, he said, had as a centre piece the crest of the Society, superimposed on the cross of St. Andrew on a blue background. Surrounding it were the words "Pharmaceutical Society of Great Britain" and at the foot "Scottish Department."

MR. WILSON said it gave him great pleasure to invest the chairman with the badge of office. "May it always be a symbolic emblem of the dignity of the office and also an emblem of the importance of the Scottish Department within the constitution of the Pharmaceutical Society of Great Britain."

THE CHAIRMAN (Mr. H. T. Thomas), in reply, said that the early history of pharmacy in Scotland, when examined, showed that as far back as 1785 there was formed in Edinburgh the Society of Druggists and Apothecaries, and the original articles of that Association were on view in the adjoining hall. The objects of that Society were similar to those of the Pharmaceutical

Society, formed some sixty-six years later. What was interesting was that they had men who were able to see so far ahead in their profession. When they considered the times in which those men lived, it was not surprising that such a movement took place. The contemporary scene was that of the Scottish Renaissance of the late 18th century. The industrial and social revolution was in progress, and there was a great awakening in Scottish life and letters.

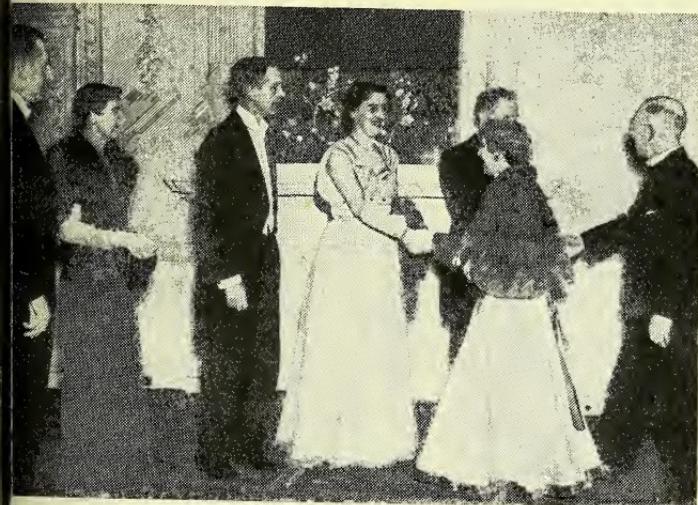
The constitution and regulations of the Society showed they had the same trend of thought, the same ideas on professional conduct and the training of apprentices as those who followed them. One regulation, which he commended to the treasurer, was that a fine of 2s. 6d. might be imposed on those who failed to attend branch meetings. The century had been remarkable for its great scientific advances. The whole profession of pharmacy had altered. Pharmacists a hundred years ago were dealing with the items Lord Hornby mentioned. Today they had come down to the antibiotics and chemotherapeutic agents. Manufacturing chemistry had stimulated research to a very great extent and the Scottish Department owed them a great debt. He also wanted to place on record their appreciation of the services given by the staffs of the Universities and schools of pharmacy.

#### Era of St. Andrew's House

With the launching of the National Health Insurance Act, in 1911, pharmacists for the first time became official contractors. Many changes had taken place and there had been many conflicts of opinion, but despite those difficulties they had now arrived in the era of the National Health Service, the Department of Health and St. Andrew's House. Those of them who had dealt with National Health Service matters had met the Departmental representatives at St. Andrew's House, whereas each other's difficulties had always been recognised in the past, a much greater appreciation of those difficulties now existed. His remarks, he said, would not be complete without a recognition of the staff at 36 York Place—senior and junior, past and present. The debt they owed them was deep, and while one hesitated to mention names he felt he must make special mention of the Resident Secretary. They had been fortunate within the lifetime of most of them to have

the calibre of Mr. Rutherford Hill, Dr. ait and now Dr. McCall. The success the Scottish Department was in no small measure due to those gentlemen. MR. ADAM A. MELDRUM proposed "The board of Examiners for Scotland," and

THE RESIDENT SECRETARY (Dr. David McCall) read a number of apologies for absence, including one from Mr. James Jack, Arbroath, whose connection with the Society went back over seventy years. He had many friends in London and Edin-



Mr. H. T. Thomas, chairman of the Executive, welcomes the guests at the centenary dinner of the Scottish Department of the Pharmaceutical Society of Great Britain, held in Edinburgh, on April 16. Also in the group are Mrs. Thomas, the Earl of Home (Minister of State for Scottish Affairs), Mr. F. C. Wilson (president of the Pharmaceutical Society) and Mrs. Wilson.

PROFESSOR J. P. TODD (Royal Technical College, Glasgow) replied. MR. S. HUGHAN, e-chairman of the Scottish Executive, posed "The City and Royal Burgh of Edinburgh," BAILIE R. BELL replying. MR. HUGH N. LINSTEAD, M.P. (a secretary of the Pharmaceutical Society of Great Britain), in proposing "The University of Edinburgh and the Faculty of Medicine," said that when he had been dining the record of the celebration of 350th anniversary of the foundation of University he had noticed a sermon preached on that occasion, urging the University to remain true to its philosophy, logic and law and "to eschew engineering and the applied sciences." "We all like to see the universities keep the old traditions and ideas," said Mr. Linstead, "but if we are going to buy our from abroad we can only do so by the most modern scientific inventions. However much it may go against tradition and against the principles of education, the universities must turn more of resources to technology." SIR SYDNEY THOMAS (Dean of the Faculty of Medicine, University of Edinburgh), replied. MR. ANDERSON welcomed "The Guests" DR. E. R. C. WALKER (Scottish secretary, British Medical Council), replied.

burgh, and said it would have been a great pleasure to meet the younger members.

There was also a telegram, "Congratulations on your centenary from your older brother, Aberdeenshire Pharmaceutical Association."

## ECHOES OF THE PAST DOCTOR JAMES'S POWDER

From "The London Chronicle," March 10 to March 13, 1759

FOR FEVERS, and other Inflammatory Distempers, Published by Virtue of his Majesty's Royal Letters Patent, Will remove (as has been experienced in many thousand Cases) any continual Acute Fever in a few hours, tho' attended with Convulsions, Lightheadedness, and the worst Symptoms; But if taken in the Beginning of a Fever, one Dose is generally sufficient to perform a Cure.\* It is likewise a most effectual Remedy for all internal Inflammations, Pleurisies, Quinsies, acute Rheumatisms, and the Lowness of Spirits and Uneasinesses proceeding from slow and latent Fevers, which are generally mistaken for Vapours and Hysterics; it is extremely effectual in the Small-Pox, Measles, and St. Anthony's Fire,

\*See "A Dissertation on Fevers," sold in the same Places, Price Six-pence.

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OL. CLVII APRIL 26, 1952 No. 3766

### Galenicals by the Litre

ROM the Spring of 1953, pharmacists throughout Great Britain will—with few exceptions—receive their liquid galenicals from their wholesaler not by the pound voirdupois but by volume in the metric system. They will receive solids and pharmaceutical chemicals in grams and kilos. That revolution in distribution takes place is a result of decisions taken by the Association of British Pharmaceutical Industry at its annual meeting on April 23 (see p. 84). The meeting had before it the report of its productivity report committee, whose recommendations went rather beyond those of the original report. Whereas the productivity team urged that liquid galenicals should be sold by volume instead of by weight, the committee thought that the change-over to volume was too good an opportunity to miss for switching over to the metric system, for which "the climate" is now appropriate."

The advantages to manufacturers and packers that would result from the new method of sending out drugs would be at the number of sizes of bottles called for will be cut down, leading to reduced costs of bottle production, economies in storage space, and simplified supply from the manufacturers. The saving in storage space will extend to the filled containers. Up to the labelling stage, packings for all markets can be produced together, and the filled containers can be sent out in standard packing cases (with possibilities of "egg-boxing" to avoid the use of straw and similar materials).

For the chemist in the shop the advantages may not be so palpable, yet, as was shown when the subject was debated in our columns (*C. & D.*, January 5, p. 22, and 26, p. 116), it is in most respects a matter of indifference to them whether the goods come by weight or by measure, and whether by Imperial or metric. In stock-taking alone is it likely to present any serious problem, and that is serious enough. To tip each liquid out of its container into its measure and back again, cleaning and drying the measure for each new liquid, is obviously impracticable. If guesswork is not to be resorted to in estimating the contents of a partially emptied bottle, the stocktaker may have to weigh what was bought by volume, and that will mean a good deal of calculation from specific gravities to bring purchases and stocks on to a uniform basis. It will also mean that containers will still have to be tared. A way out of the dilemma might be to graduate bottles used for stock, so that a 500-mil bottle, say, was marked at 50-mil intervals, and the stocktaker could read off with an accuracy above guess-work what remained in the bottle. Since the A.B.P.I. has appointed a subcommittee to enter into negotiations with the bottle manufacturers for a standard range of containers, it might give consideration to that further point.

For so fundamental a change as the switch to volume and to the metric system to be agreed upon with such comparative expedition and unanimity argues the presence on the A.B.P.I. of one or more enthusiastic advocates who have won over reluctant or cautious colleagues. They deserve congratulation, and the whole craft and industry, whatever doubts they may have had about the advantages of the change-over, will join in hoping that it will prove notably successful in its main purposes: greater productivity in manufacture and increased ability to compete in overseas markets.

### A Levy that Failed of its Purpose

IF, as we may assume, the purpose of the sixpenny levy in the Isle of Man was that of the shilling levy soon to be operated in Britain—to arrest rising costs—it is clear from facts given in the Tynwald debate

on the Health Service (p. 565) that it has failed in its aim. The cost per person in the island is £1 6s. 8d., an amount well above the corresponding figure in England and Wales. The levy brought in over £5,000, but one speaker argued, probably with justification, that that represented no real saving when the administrative costs of collecting the levy were considered. The prime cause of cost in the Manx service was held to be over-prescribing, as in Great Britain. In the Island, however, the pricing system is efficient enough to enable an investigation of prescribing habits to be carried out. When the investigation is complete doctors are to become answerable to their professional colleagues for habitual over-prescribing, and the Minister of Health hopes in consequence to see an end of it "in a year or so." As many have argued, and as is clear from the experience in Man, there can be no control of over-prescribing in Britain until there is full and prompt pricing of prescriptions. It is a safe prophecy, too, that the shilling levy will not bring or keep costs within bounds any more than the sixpenny levy has done in the Island.

## World Mercury Stocks and Prices

THE price of mercury in the United Kingdom has remained steady at around £73 per flask since January 1951. There is no immediate sign of any weakening, but can that price hold in view of world stocks today?

When the Korean war broke out, many countries began buying all they could, with the inevitable result that prices soared. Most of the metal purchased during that buying "spree" remains unused. Indian merchants, who are acknowledged to be among the world's greatest speculators, bought so heavily that the stocks held by them are reckoned at 3 million lb., valued at 10 million rupees. As the country's normal consumption is less than 300,000 lb. yearly, the traders are now suggesting to the Indian Government that it would be advantageous to re-export up to five-sixths of this stock to the United States, adding that they could afford to sell at prices much lower than those being paid to the producing countries, Italy and

Spain. Since their stocks were bought about one-half the quotations now current is no doubt true, but whether the U.S. would now be willing to import, even at cut prices, is doubtful, for, according to the Defence Materials Government Agency in that country, America has adequate stocks of the metal. A statement by the head of the Agency recently said that their supplies for the national staple and for consumer plants are believed adequate. Pointing out that the U.S. is largely dependent upon imports for major portion of the domestic mercury supplies, he said that domestic production had shown some increase during the year, and, owing to the present high price of over \$200 per flask, output had been raised without assistance from his Agency. He estimated U.S. consumption of mercury at about 60,000 flasks annually. In view of the easy supply situation, the need for future Government assistance to expand production was not anticipated. However, in line with the policy of the Government to encourage domestic exploration, a distance from the Defence Minerals Exploration Administration would continue.

As mercury stocks are high in most countries it would seem that the Indian merchants have held their stocks too long.

## Pantothenic Acid in Cortisone Production

In a paper read at an International Conference on Vitamins and Nutrition in Havana, Cuba, in January, Krehl and his colleagues of the Yale Nutrition Laboratory, U.S.A., gave reasons for believing that pantothenic acid serves as a biological catalyst required by the adrenal glands to manufacture its hormones. In a series of confirmatory experiments the authors attempted to stimulate the adrenals in rats deficient in pantothenic acid by giving the animals ACTH, but the hormone only intensified the adrenitis already existing in the adrenal glands. The administration of cortisone, however, corrected the defects in the animals due to the deficiency of pantothenic acid. It was thought that the adrenal glands of rats could not produce their own cortisol because of the pantothenic acid deficiency.

# WHAT CHEMISTS OF STOKE NEWINGTON AND NEIGHBOURHOOD ARE THINKING

PARTICULARLY ABOUT THE HEALTH CENTRE NOW GOING UP FOR THE LONDON COUNCIL AT WOODBERRY DOWN, N.4

Even though a small health centre (one doctor, one dentist and periodical nies) is already functioning at Harlow town, Essex, the centre the London County Council is establishing at Woodberry Down Housing Estate, near Manor House Underground Station, London, remains the first for which plans were approved by the Minister of Health after the National Health Service was introduced.

The Woodberry Down centre is nearly completion. It should be noted at once that the plans do not provide for a pharmacy department. The Ministry

Health was won to be in our of including, but the intention was abandoned in the London Executive Council the L.C.C. had agreement there were an

quate number of chemists' shops in the area, that another pharmacy might open in the shopping centre on the Woodberry Down estate, that congestion and delay might be avoided at the centre unless a considerable amount of space—"and several dispensaries"—were included. Apart from local authority medical services, the centre will provide accommodation for six general medical practitioners under contract to London Executive Council. It is understood that invitations to rent accommodation were sent to all practitioners in a mile radius of the centre.

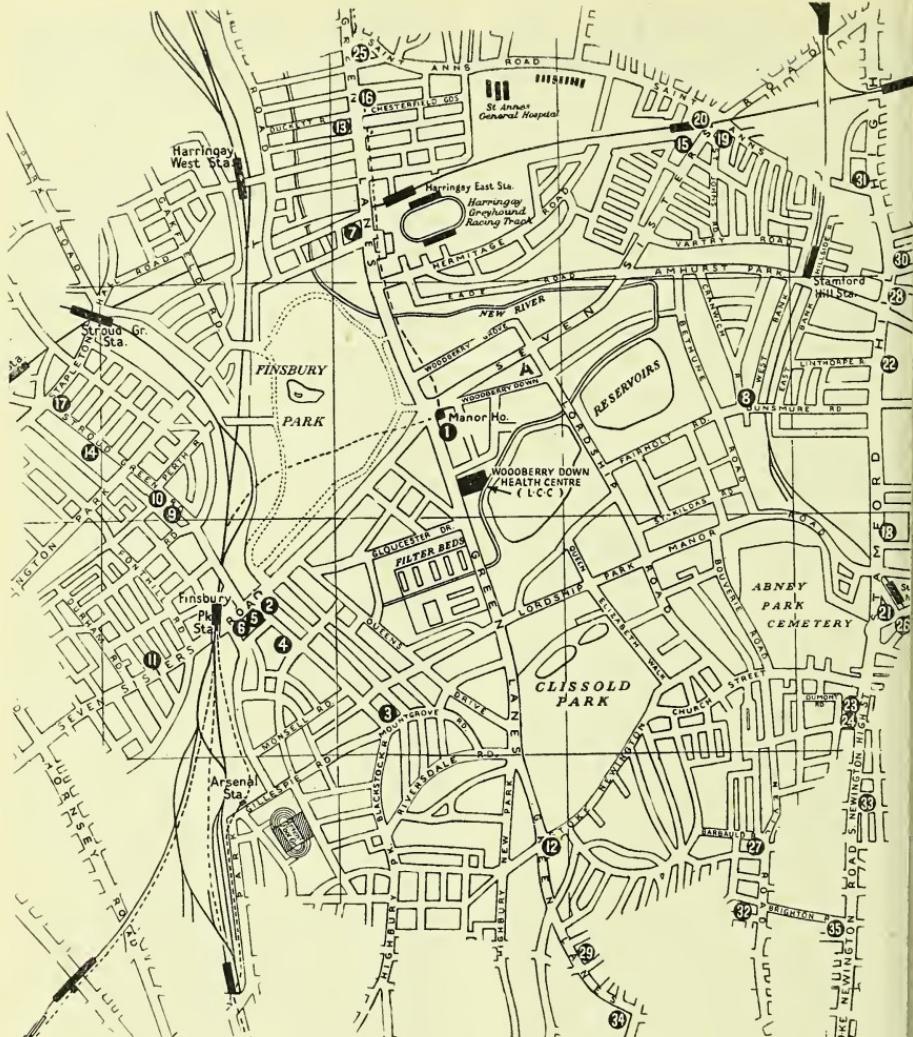
Ultimately, the centre will serve a composite area: the Lordship North ward and Enfield division of the South Hornsey part of the borough of Stoke Newington, a total population (eventually) of 20,000. But "people outside the health service area will not be precluded from using the health centre. Until health centres are available in adjoining areas the health service area will not be limited

by the boundaries described." For that reason it was decided to interview a number of chemists within the mile radius. Considering the wide variations of viewpoint the interviewer found on some points, the almost universal scepticism about the centre's chances of success was most noticeable. Many of the chemists, especially those near the perimeter, but including some not much above half a mile away, had known nothing about it. A fairly frequent reaction was that there seemed no purpose in setting up the centre at all. It was believed that no doctors had accepted the Executive Council's invitation, and the effect on existing practices could not be judged, but there was general agreement that chemists could provide all the pharmaceutical service necessary and that

the decision to exclude pharmacy from the centre ought never to be changed.

Mr. L. RENTON, 5 Marlborough Parade, is the proprietor of a modern pharmacy handsomely fitted in light oak which he re-opened in 1946 only 300 yards from the site on which the health centre has been erected. Mr. Renton's opinion is that the opening is taking place too late to be successful in its purpose. In order that it should have a sufficient nucleus of users with no ties or allegiance to the already established doctors, it would have had to be ready in advance, so that the (10,000) new residents who have been accommodated in the extensive new blocks of flats on the Woodberry Down estate where the centre stands, could at once make use of it. Instead, the flats have been in occupation long enough for most of the tenants to sign up with a local doctor and become regular customers at a pharmacy. Doctors with established surgeries, whether they eventually come into

*As it were symbolically, the L.C.C. Woodberry Down flats and nearly completed health centre stand within a loop of London's "New River," monument to Hugh Myddelton's pioneering vision and enterprise in constructing, about 1610, that important tributary to London's water supply. Will the centre prove a modern "new river," irrigating with richer health the circle of territory it has been designed to serve? Or a twentieth century "folly," a Wishing Well unrelated to social needs in an area already well supplied with surgeries? To chemists locally the answers to those questions may be urgent, determining their whole future.*



## KEY

1. L. Renton, 5 Marlborough Parade.
2. Timothy Whites & Taylors, Ltd., 286 Seven Sisters Road.
3. G. B. Armstrong & Son, Ltd., 165 Blackstock Road.
4. I. Furst, 60 Blackstock Road.
5. Lewis & Burrows, Ltd., 274 Seven Sisters Road.
6. Boots, Ltd., 262 Seven Sisters Road.
7. J. F. Jack, 347 Green Lanes.
8. Timothy Whites & Taylors, Ltd., 90 Dunsmure Road.
9. J. B. Bruce, 41 Stroud Green Road.
10. J. H. Smith (Chemists), Ltd., Stroud Green Road.
11. Lane & Foot, Ltd., 195 Seven Sisters Road.
12. C. Joseph, 162 Green Lanes.
13. W. B. and J. R. Dow, 433 Green Lanes.
14. Boots, Ltd., 137 Stroud Green
15. A. Aldington, 493 Seven Sisters
16. Boots, Ltd., 25 Grand Parade, Farringay.
17. James Chemists (H. T. Rog.), 182 Stroud Green Road.

18. J. M. Lichtig, 62 Stamford Hill.
19. S. Carr, 173 St. Ann's Road.
20. J. T. Davy, Ltd., 187 St. Ann's Road.
- 21 and 22. Churchills Chemists, Ltd., 6 and 190 Stamford Hill.
23. Boots, Ltd., 167 Stoke Newington High Street.
24. Churchills Chemists, Ltd., 155 Stoke Newington High Street.
25. J. M. Pirie, 4 Grand Parade, Harringay.
26. Lewis & Burrows, Ltd., 6 Abney Park Terrace.
27. L. Jenkins, 9 Allen Road.

the scheme or not, show no signs at present of being eager to take space at the centre. Mr. Renton established his business before the new estate was tenanted or even built. He provides a service until 7 p.m. each evening. There is no rota scheme in which he can take part and he feels that there will be no call to change his hours when the centre opens.

MR. A. ALDINGTON, whose pharmacy at 493 Seven Sisters Road is twenty minutes' walk (or a twopenny bus ride) from the centre, draws many customers from the new flats, and many patients from nearby surgeries. He has a fair N.H.S. turnover and a number of regular customers from a mainly working-class neighbourhood, but any of the doctors transferred their surgeries to the health centre the "loyalty" if many of the regular customers might be severely taxed by having to pass one or perhaps two pharmacies to reach him. Mr. Aldington has adhered to a 7 p.m. closing and has seen no evidence that the public is not adequately served. There is a pharmacist resident on the premises for emergency calls. If, when the health centre opened, there were a strong call for late night service, Mr. Aldington holds strongly that the local pharmacists could readily co-operate to plan and work some scheme in suitable centrally situated premises. Like most of the other chemists interviewed, he is against the employment of a pharmacist at the centre, even to take charge of the stores. There have, of course, to be emergency drugs for use by the physicians, and if they are to be kept as one stock a pharmacist might be needed to take charge of the Dangerous Drugs. To avoid having a pharmacist, the alternative would be for each doctor in the centre to look after his own stock of Dangerous Drugs.

28. Boots, Ltd., 222 Stamford Hill.
29. Young & Harrison, Ltd., 92 Green Lanes.
30. A. R. Cross (Stamford Hill), Ltd., 272 Stamford Hill.
31. Young & Harrison, Ltd., 51 High Road, S. Tottenham.
32. H. Sanderson, 75 Nevill Road.
33. C. & H. K. Beck, 60 Stoke Newington High Street.
34. Parade Drug Stores, Ltd., 9 Green Lanes.
35. G. B. Barnard, 115A Stoke Newington Road.

A=Possible site for new pharmacy.

On the general subject of remuneration, Mr. Aldington said that the dispensing fees were not enough, and the National Pharmaceutical Union's case for an increase should be pressed hard. He rather surprised our interviewer by saying that he had worked out his actual costs of containers and found that he "broke even" at present on the container allowance, though there was a tendency for doctors to order larger amounts, and that would probably tip the scales against him. When asked if there were any subject on which he had views he would like to put to other contractors he said "Yes, an aftermath of the pre-N.H.S. system of doctors' dispensing was the number of proprietary pseudo-galenicals that had been brought into pharmacies. They were originally manufactured as stock mixtures for doctors, and should be permitted to be made by pharmacists in the dispensary, especially when their cost is disproportionate to the ingredients."

MR. I. FURST, who has been established at 60 Blackstock Road, not far from Finsbury Park Station, for over twenty years, considered the whole scheme redundant. As an enlarged clinic with specialists in attendance it would have had some purpose but as a mere group practice of general practitioners it was redundant. It would, moreover, place a great expense on the community without benefit to anyone. Economies, not further expenses, were called for, and one suggestion he would make was that the Ministry should collect from contractors any surplus stocks they had that were proved to be in first-class condition. Mr. Furst was concerned at the prospect of loss to the chemist from having to supply medicines in circumstances in which the shilling levy could not be collected (prescriptions brought by

children or by patients in financial distress). He thought that it should be sufficient for the chemist to endorse the prescription "Shilling not collected." Chemists could be trusted to do that only when indeed the patient did not pay.

#### Late Service—If Paid For

MR. D. M. KINNAIRD (W. B. & J. R. Dow), 433 Green Lanes, N.4, had found that quite a few customers had been coming to his shop from Woodberry Down since the housing estate had started to be occupied. He might therefore expect some prescriptions given at the health centre to come his way. Mr. Kinnaird said that there was no special call for a late-hours service in Harringay. On rota nights there were not enough prescriptions really to demonstrate a need for service after contract hours. It was not impossible that, if evening surgery hours at Woodberry Down went on till 7 p.m., there might be a call for one or more pharmacies to remain open until 8 p.m. If so, local chemists could—and would willingly—provide service until that time—provided it was paid for.

MR. J. F. JACK, 347 Green Lanes, though nearer to Woodberry Down than his nearest pharmacist neighbour, Mr. Kinnaird, is convinced the health centre when it opens will have no effect on his business. The reason is in the shopping habits of the people. Quite a lot of those living near Manor House shop in Harringay, but their practice is to take a London Transport vehicle to the limit of the fare stage, and thus right past his shop. Mr. Jack's view on the shilling levy was that the long delay in giving effect to it would create difficulties that would not have occurred if it had been given effect immediately it was first announced.

MR. J. H. L. G. SMITH (J. H. Smith (Chemists), Ltd.), 61 Stroud Green Road, thought the health centre was a development which, if it succeeded, should not be resisted by chemists, since what was good for the community was in the long run best for every section of it. The Woodberry Down centre would be a good test of the need for health centres, since Stoke Newington was a progressive borough, always ready to try out new schemes. With the backing of the borough council it stood the greatest chance of success. He did not anticipate that the new centre would have much influence on his own business, even though it had no pharmaceutical de-

partment and EC10's would issue for dispensing at pharmacies in the area.

MR. J. M. LICHTIG, 62 Stamford N.16, said that as a comparative newcomer he had known about the proposed health centre before opening his shop but had concluded that it would make no difference to him. His customers were not likely to go to Woodberry Down in preference to local doctors' surgeries. On the other hand, if patients at the health centre were given prescriptions to take to their chemists, some might come his way. The shilling levy would have a much serious effect on his business. It would mean a drop in prescriptions which he would estimate at about 35 per cent. If that happened there would need to be an upward revision of contractors' remuneration. The present system of payment for containers also needed changing. He was involved him at present in a real dilemma, despite the labels asking for containers, very few came back. Mr. Lichtig favoured a return to the old system of payment for containers. He had been called upon to take part in a scheme but by remaining open each evening till 7 p.m. he considered he was rendering a service to his public. Mr. Lichtig's pharmacy is closed on Saturday under the provisions of the Sunday Trading Restrictions Act he opens every day morning until 1.30 p.m. His dispensing turnover is steadily rising, and he is content to forget about the new health centre unless a dispensary should be established there. He considers that chemists can provide all service needed.

MR. G. B. BARNARD owns two premises, one of which is at 115A Stoke Newington Road, near but outside the area. He has however, for twenty-five years on the Newington borough council and is an alderman of the borough, and has been for nearly forty years—and a member of the London Pharmaceutical Committee and on the Pharmaceutical Services Committee of the London Executive Committee. His knowledge and experience, he thought, should be useful to other contractors. Mr. Barnard felt that, even if the health centre caused a large increase in the amount of dispensing to be done, the local chemists would be well able to cope with it, though much would depend on the doctors' consulting hours and the general closing hour in the area, though his own pharmacy remained open till 7 each evening and had there

nsidered, forestalled complaints by tients of difficulty in obtaining their medicines. With a 6 p.m. closing it was rdy possible for a worker to arrive me, visit the doctor's surgery and have s medicine dispensed at the pharmacy e same evening. He was against any turn to the old long hours, but thought e time would come when the public could demand a general 7 p.m. closing ur. The time should never come when dispensing was undertaken at the health entre. The hours of outside pharmacies could be arranged to provide an adequate vice. It was important to see that no armacist was engaged at the health cen- even to look after stores, since it was

difficult to see how, if he were, dispensing could long be kept out.

His view of the proposed shilling levy was that it hit hardest at those least able to bear it. No special hostility had been shown to it by customers—in fact some had been very ready to pay it unasked, but hostility might not show itself until customers came to be asked for the shilling. It was imperative that the shilling should be collected, as of right, when the prescription was presented and that the pharmacist should have the right to refuse to dispense the prescription until the shilling was paid. He thought the fall in dispensing would only be slight, and counter sales might even increase.

## CORRESPONDENCE

### Council Candidates' Platform

SIR,—As secretary of this year's organis- branch I cordially invite all pharmas- in the London area to a special joint eting on April 30 (see p. 567) to which uncil candidates have been invited to ke statements and answer questions. London, W.1. SCRIVEN J. TURNER.

### Another Maker

SIR,—Our attention has been drawn to article that appeared in THE CHEMIST & DRUGGIST (March 15, p. 300) in which erence is made to some of the products paried by Genatosan, Ltd. It is there ed that Messrs. Genatosan are "prob- y the only British makers of semicar- ide hydrochlorides." The suggestion, fear, may mislead many readers of the & D. who are in the habit of purchasing significant quantities of semicarbazide rochloride from my company. The erial is, in fact, in regular bulk produc- by the B.D.H. laboratory chemicals up, Poole, Dorset, as also are such erials as hydroxylamine hydrochloride thiocarbazide.

THE BRITISH DRUG HOUSES, LTD.  
L. C. BARWELL, Advertising Manager.

### Ever Young

SIR.—My attention has been drawn to C. & D., April 5, p. 465, in which user has mentioned my activities in ding the Photographic Dealers' Assoc ion and refers to me as "the late" F. J. Young. While it is true I lified as far back as 1900, joined others my colleagues in creating the Photographic Dealers' Association about 1923, occupied the presidential chair in

1925. I have not yet attained the distinction you have conferred upon me. May I suggest that, as a gracious way of atoning for my premature burial, you insert a few lines respecting the pioneers of the Photographic Dealers' Association?

Leicester.

F. J. YOUNG.

[We make a double apology: that we prematurely "conferred" on Mr. F. J. Young a "distinction" we hope will be many years postponed; and that in trying to correct an error we transferred to another the credit—rightly his—of being a founder of the Photographic Dealers' Association. We gladly adopt Mr. Young's suggestion and will honour the pioneers of the P.D.A. with short biographies at an early date.—EDITOR]



**BEAUTY CONTEST PRIZE.**—Gardenia gift box presented by Goya, Ltd., London, to the winner in a ballroom beauty contest organised by the "People" newspaper and held in London on April 18.

## MANUFACTURERS ADOPT METRIC SYSTEM

THE recommendations of the productivity committee of the Association of British Pharmaceutical Industry came before the annual meeting of the Association in London on April 23. The committee, in its report, had recommended that liquid galenicals should be sold by volume instead of by weight, and that solids, liquid galenicals and pharmaceutical chemicals should be sold in metric weights and measures. (The recommendations do not apply to pre-packed goods, and some viscous liquids and expensive essential oils would continue to be sold by weight.) The advantages claimed are: Reduction in the number of bottle sizes; economy in storage space and bottle production; applicability to all markets; and possibilities of standardising packing cases.

Simultaneous change to the metric system, though not among the original recommendations of the productivity team, is urged by the committee as seizing an excellent opportunity to hasten a "steady trend" in medicine and pharmacy towards its inevitable adoption. The Glass Manufacturers' Federation is being approached by the Association to bring about a standardisation of Winchester sizes to take the new metric volumes conveniently, and specifications will probably be worked out by agreement between the Federation and the Association.

The committee proposes that the recommendations should be implemented in the spring of 1953. It is now going to consider the possibility of quoting inclusive prices for filled containers. Individual firms are being advised to give effect to two of the original recommendations of the pharmaceutical productivity team: to make few products but in large volume, and to use mechanised methods more in packaging.

### Import of American Machines

The committee points out that deterioration in the dollar position since the team visited America has made the chance of getting permission to import American equipment increasingly remote. The matter has been taken up with the Anglo-American Council and Federation of British Industries, and a statement has been sought from the Board of Trade and Ministry of Supply. The conclusions reached were:—

- That it is improbable that import licences will be granted for bringing in production quantities of American machines.

- That if a good case were put for importing

a sample machine, with good prospects of its being manufactured in this country if it proved successful, an application for an import licence would probably be favourably considered.

- That if an American manufacturer wanted a sample machine brought over in order to interest British manufacturers in making it under licence or to set up an American subsidiary company to make it, an application for an import licence would probably be favourably considered.

- That the Board of Trade will discuss the problem with the Anglo-American Council.

The co-operation of the Association of British Chemical Plant Manufacturers has been sought in a comparison of British and U.S. machinery, with particular reference to the manufacture in Britain of recommended machines. If it is found that there is no counterpart to a particular American improvement recommended, pharmaceutical houses will have a strong case for applying for Import Licences for U.S. equipment.

The Association adopted the report.

## NEWCOMER'S NOTEBOOK

### 9.—Association of British Pharmaceutical Industry

THE representative trade association for companies manufacturing and distributing drugs and medicines for human and veterinary use. Manufacturers are concerned with ethical as opposed to advertised products.

Association is successor to Drug Club, founded 1891, which became Wholesale Drug Trade Association in 1930. Present Association was formed in 1948, on amalgamation of W.D.T.A. and Pharmaceutical Export Group.

Main function is to represent the industry in negotiations with all Government Departments (particularly the Ministry of Health and Board of Trade) and, where necessary, to make parliamentary representations on the industry's behalf on the export side to continue and enlarge upon the work of the P.E.G. as a medium of export promotion. The Association co-operates with British Medical Association, Association of British Chemical Manufacturers, Pharmaceutical Society and National Pharmaceutical Union on many of common interest.

Council of the Association consists of eleven officio and nine elected members and six nominated representatives each of home and export interests. The 157 members are allocated to four main divisions and there are twenty-three associate members who are members of the export division only.

Present officers: President, Mr. J. C. Hanbury; Vice-president, Mr. C. L. Saul; Immediate Past-president, Mr. R. L. Taylor; Treasurer, H. C. H. Graves; Secretary, Mr. Gordon Smith, Tavistock House South, Tavistock Square, London, W.C.1; Assistant Secretary, Mr. A. Duckworth; and Assistant Secretary (Export), Mr. James Michael Kirkness.

## TRADE REPORT

**Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.**

LONDON, APRIL 23 AMONG the PHARMACEUTICAL and FINE CHEMICALS reduced in price during the week were the SALTS of EMETINE, NICOTINIC ACID and NICOTINAMIDE. EMETINE HYDROCHLORIDE in 32-oz. lots is lower by 5s. per oz. and the BISMUTH IODIDE by 9s. 6d. Nicotinic acid shows a reduction of 17s. 6d. per kilo and the amide of 25s. per kilo compared with previous quotations. Manufacturers and suppliers of ENICILLIN, STREPTOMYCIN, and DIHYDROTREPTOMYCIN have announced new price schedules which are to come into force on April 28. Examples are:—Penicillin sodium, put up for injection, 4s. 1½d. per mega unit (face value)—a reduction of 4d. per mega unit and streptomycin, 3d. per mega—9d. less.

Trading in the CRUDE DRUGS market continued at a low level, and prices quoted for many commodities are nominal. It is felt that holders would be willing to make their prices considerably where any large orders might result. Zanzibar LOVES remained a firm market owing to scarcity of offers from origin. Forward prices of Jamaican GINGER were marked up following an announcement that floor prices had been fixed for the export of that commodity. Afterwards it was not possible to obtain shipment offers at the quoted prices. Even so, little interest was shown in spot material although offered only fractionally above the new rates. Offers of TURMERIC were substantially lower than previous quotations, and all trades of SHELLAC fell a further 5s. per wt. during the week. Total Indian exports of shellac during March amounted to 18,264 packages, against 30,177 packages in March 1951. BALSAM COPAIBA is again difficult to locate on the spot, but BALSAM PERU prices have eased slightly. It is understood that the peeling of CASA SAGRADA in the United States which normally commences this month has been held up due to bad weather; so far no offers of new peel have been received here. Chinese CAMPHOR POWDER was fractionally weaker, but all WAXES were unchanged. CASSIA CHIPS are again freely available on the spot.

In the ESSENTIAL OILS market CITRONELLA showed a slightly firmer tone but MONGGRASS quotations were lower for spot material and for forward delivery. The prices of certain unrefined oils and fats and technical animal fats allocated to primary wholesalers and large trade dealers during the four-week period ending ay 17 were reduced as follows:—Coco-t oil (crude and crude oleine), by £15 per ton, linseed oil by £5, and whale oil

(crude No. 1) by £10. The prices of refined oils allocated to primary wholesalers and large trade users during the period ending June 14 have also been reduced.

### U.S. Drug and Chemical Report

NEW YORK, APRIL 22 THE export quota for RESORCIN for the second quarter of 1952 has been fixed at 34,000 lb. by the Office of International Trade.

The movement of tonnage chemicals has shown no substantial increase since the start of the second quarter, and even the prolonged pinch in sulphuric acid has now been eased and producers are offering additional lots for immediate or prompt delivery. A better undertone exists in CALCIUM CHLORIDE owing to the heavy tonnage moved in the past winter. The trade anticipates a decline in crude IODINE imports from Japan. Domestic makers of TARTARATES are reported to be booking a fair amount of orders. BROMIDES are termed unsettled but prices are unchanged. The following FINE CHEMICALS prices are ruling today:

F.O.B., NEW YORK	Cents per lb.
Acetone	8.50-10.50
Camphor, synthetic, U.S.P.	60.00
Glycerin, pure	34.50
Guaiacum resin	31.62-32.00
Hexamine	23.25

F.O.B. WORKS	
Magnesia, calcined	32.00-32.75
DDT	48.00-50.00
Sodium bromide	34.00-35.00

F.O.B. NEW YORK	Dollars per lb.
Iodine, resublimed	2.55-2.78
Menthol	6.50
Sulphanilamide	1.30-1.50
Theobromine	5.75-6.00
	Dollars per oz.
Emetine hydrochloride	38.75-42.75
Atropine	9.00-11.50

F.O.B. WORKS	Dollars per gall.
Ethyl alcohol	12.00-12.30
Nicotinamide	20.82

F.O.B. NEW YORK	Dollars per kilo
Streptomycin	40.00
Penicillin, procaine (bulk 500 to 5,000 million unit lots) per	Cents 100,000 units
	1.90-2.50

Among crude drugs, COPAIBA BALSAM was firmer at \$1.55 per lb. (up 10 cents), as was spot African GINGER at 18 to 19 cents per lb., up 1 cent. Lower per lb. were SENEGA at \$2.00 (down 30 cents) and IPECACUANHA at \$6.50 (50 cents). Spot lots

of ERGOT were offered at \$7.00 a lb., down 40 cents. Brazilian MENTHOL is steady and the shipping price of Japanese material is gradually coming into line.

ESSENTIAL OILS stronger in price include Ceylon CITRONELLA at 80 cents per lb. (up 5 cents); ROSEMARY 85 cents (10 cents) and natural BERGAMOT at \$15<sup>75</sup> (\$1.05). Essential oils lower per lb. include Spike LAVENDER at \$1.45 (down 35 cents); GINGER, \$15.75 (down 75 cents); SPEARMINT, \$7.60 (25 cents).

## Pharmaceutical Chemicals

CALCIFEROL.—Price of 1-kilo lots (in 25-gm. ampoules) is now 5s. 9d. per gm.

CITRATES.—Rates (per lb.) are as follows:—POTASSIUM, 1-cwt. lots, 4s. 1 $\frac{1}{2}$ d.; 28-lb., 5s. 1d. SODIUM, 1-cwt., 3s. 6 $\frac{1}{2}$ d.; 28-lb., 4s. 5d. (powder in both cases one penny more). IRON and AMMONIUM, granulated, 1-cwt., 4s. 5 $\frac{1}{2}$ d.; 28-lb., 5s. 7d. (Scales are threepence per lb. more).

CYCLOBARBITONE.—BASE and CALCIUM DERIVATIVES in 1-cwt. lots are 75s. per lb.; small lots from 79s. 6d. to 77s. 3d. per lb.

DEXTROSE.—Rates for MONOHYDRATE, B.P. (quantities under 5-cwt.) are: 1-lb. packets, 22s. 6d. per doz.; 7-lb. tins, 13s. 3d. each; 14-lb. tins, 25s.; 28-lb. tins, 47s.; less 12 $\frac{1}{2}$  per cent. to wholesalers; delivered. In quantities of 5-cwt. and over, 7-lb. tins are 1s.; 14-lb. tins, 1s. 6d.; and 2s. less than above prices. ANHYDROUS, B.P. (quantities under 5-cwt.) prices as follows:—7-lb. tins, 13s. 9d. 14-lb. tins, 26s.; and 28-lb. tins, 49s.; less 12 $\frac{1}{2}$  per cent. to wholesalers; delivered. Reductions for quantities of 5-cwt. and over are the same as for monohydrate.

EMETINE SALTS.—Reduced. Rates per oz. are now as follows:—HYDROCHLORIDE, 32-oz. lots, 295s.; 16-oz., 297s.; 4-oz., 300s.; 1-oz., 307s. BISMUTH IODIDE, 32-oz., 147s. 6d.; 16-oz., 148s. 6d.; 4-oz., 150s.; 1-oz., 153s. 6d.

ETHER.—Prices of TECHNICAL, B.S.S., and SOLVENT, B.P., in winchesters are (per lb.) as follows:—10-cwt. lots, 2s. 5 $\frac{1}{2}$ d.; 5-cwt., 2s. 6 $\frac{1}{2}$ d.; 48-lb., 2s. 7 $\frac{1}{2}$ d.; 24-lb., 2s. 9d. Rates for ANESTHETIC, B.P., in winchesters are:—10-cwt. lots, 3s. 9 $\frac{1}{2}$ d.; 5-cwt., 3s. 10 $\frac{1}{2}$ d.; 1-cwt., 3s. 11 $\frac{1}{2}$ d.; 72-lb., 4s. 0 $\frac{1}{2}$ d.; 36-lb., 4s. 2 $\frac{1}{2}$ d.; 24-lb., 4s. 4 $\frac{1}{2}$ d. In 1-lb. bottles, prices are 2 $\frac{1}{2}$ d.; in  $\frac{1}{2}$ -lb. bottles, 7 $\frac{1}{2}$ d.; and in  $\frac{1}{4}$ -lb. bottles, 1s. 4 $\frac{1}{2}$ d. per lb. more than the above prices. In drums, prices are 1 $\frac{1}{2}$ d. per lb. less than corresponding winchester prices. Containers are charged and are returnable.

GLYCEROPOPHOSPHATES.—Rates per lb. for 28-lb. lots are as follows:—ACID, 20 per cent., 8s. 10d.; CALCIUM, soluble, B.P.C., 14s. 9d.; IRON, B.P.C., scale, 17s. 9d., and powder, 16s. 9d.; MAGNESIUM, soluble, B.P.C., 21s. 6d., and insoluble, 12s. 3d.; MANGANESE, 30s.; POTASSIUM, 50 per cent.,

6s. 1d., and 75 per cent., 8s. 6d.; SODIUM, 50 per cent., 4s. 8d., and 75 per cent., 6s. 6d.

GLYCERIN.—Rates for chemically pure (B.P.) are as follows:—

		Under 1 cwt.	1 cwt. and under 5 cwt.	5 cwt. and under 1 ton	1 ton and under 5 ton	5 ton
Minimum deliveries off contract of	—	—	1 cwt.	1 cwt.	5 cwt.	10 ton
Per cwt.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
TINS						
14-lb.	325 0	320 6	316 6	312 0	312 0	312 0
28-lb.	323 0	318 6	314 6	310 0	310 0	309 0
56-lb.	319 0	314 6	310 6	306 0	306 0	306 0
DRUMS						
1-cwt.	—	299 0	295 0	290 6	286 0	286 0
2 $\frac{1}{2}$ -cwt.	—	296 6	293 6	288 6	284 6	284 6
5-cwt.	—	—	292 6	288 6	284 6	284 6
10-cwt.	—	—	291 6	287 6	283 6	283 6

LACTATES.—CALCIUM, B.P., is 3s. per lb. in 1-cwt. lots; 28-lb., 3s. 4 $\frac{1}{2}$ d.; 75s. 8 $\frac{1}{2}$ d. per lb. CALCIUM SODIUM, B.P. for the same quantities is 4s. 8 $\frac{1}{2}$ d., 5s. and 5s. 4 $\frac{1}{2}$ d. per lb. LACTIC ACID, B.P. 12 Winchester lots is 4s. 6 $\frac{1}{2}$ d., 6 winders, 4s. 10d., and 3 winchesters, 5s. per Carboys are 4s. 5d. per lb.

MERCURY DERIVATIVES.—Nominal quotations (per lb.) for 1-cwt. lots are: MONIATED, B.P., lump or powder, 21s. PERCHLORIDE, B.P., powder, 19s. CHLORIDE, B.P. (calomel), 22s. 6d.; IDES, B.P.C. levigated, or yellow B.P.

NICOTINAMIDE.—Reduced. Prices (per kilo) are as follows:—500 gm. and under 1 kilo, 160s.; 1-10 kilos, 157s. 6d.; 1 kilos, 155s.; 25-50 kilos, 152s. 6d.

NICOTINIC ACID.—Reduced. Prices (per kilo) are now as follows:—In lots of gm. and under 1 kilo, 110s.; 1-10 kilos, 107s. 6d.; 10-25 kilos, 105s.; 25-50 kilos, 102s. 6d.

PHENOLPHTHALEIN.—Rate for 1-cwt. is 11s. 10d. per lb.

SALICYLIC ACID.—Prices are: 5-cwt. in bulk, 2s. 11 $\frac{1}{2}$ d. per lb.; 1-cwt., 56-lb., 3s. 7d. Scheduled rates for quantities of 28-lb. and under 1-cwt. are 3s. 7d. to 3s. 11d. as to pack.

SODIUM SULPHATE.—Feathery crystals are 18s. 6d. per cwt.; medium, 17s. and granular, 22s. 6d. per cwt. EXSICCATOR, 45s. per cwt. in 1-ton lots, ex work.

STILBESTROL.—Quotations are from 1s. 4d. per gm., as to quantity.

SULPHACETAMIDE.—Quotations (per are from 24s. 6d. for 1-cwt. lots to per 1-lb. The SODIUM derivative is f 30s. to 32s. 6d.

SULPHAGUANIDINE.—Rates are as follows: 5-cwt. lots, 22s. 6d.; 1-cwt., 22s. 56-lb., 23s.; 28-lb., 23s. 7d. per lb.

SULPHATHIAZOLE.—Price (per lb.) 1-cwt. lots is 21s. 9d.

## Crude Drugs

**ACONITE.**—Spanish *napellus* is 3s. 9d. per lb., duty paid, ex wharf.

**AGAR.**—Kobé No. 1 on the spot is scarce at 13s. per lb.

**ALOES.**—Prime Cape on the spot is offered at from 200s. to 202s. 6d. per cwt. Forward quotations are about 204s. c.i.f. Curaçao is 425s. per cwt., on the spot.

**ANISE (STAR).**—Offers from origin are nominally 425s. per cwt., c.i.f.

**BALSAMS.**—*Canada* is 32s. 6d. per lb. on the spot. *Peru* is 15s. 9d. per lb., duty paid, and 13s. 9d., c.i.f., for shipment. *Tolu*, natural, is steady on the spot at 3s. 6d. per lb., and for shipment, 31s. i.f.

**BISMUTH.**—In minimum 5-cwt. lots, I.T.A.L. is 25s. per lb.

**CAMPHOR.**—Chinese (B.P.) powder on the spot is from 4s. 1½d. per lb. in bond 4s. 6d., duty paid; ¼-oz. tablets are quoted at 6s. per lb., duty paid, 2½ lb. labs, 5s. 3d. per lb., duty paid.

**CARDAMOMS.**—Aleppy greens for May shipment, are from 12s. 9d. per lb., c.i.f.; pot, 17s.

**CASCARA SAGRADA.**—American bark, 1951 eel. is from 320s. per cwt., duty paid, and 290s., c.i.f., forward.

**CASSIA BARK.**—Whole on the spot is 25s. per cwt., ex warehouse; forward, 17s. 6d., c.i.f.

**CINNAMON.**—Ceylon for shipment c.i.f.) : OOOO, 2s. 6d.; OOO, 2s. 4½d.; O, 2s. 2½d.; O, 2s. 1d.; firsts, 1s. 8d.; seconds, 1s. 7d.; thirds, 1s. 6½d.; quillings, 1s. 4d.; featherings, 11½d.; chips, 4d. per lb.

**CLOVES.**—Quiet. Quotations for Zanzibar on spot are 6s. 9d. per lb. and 6s. 9d., c.i.f., or shipment.

**COCHINEAL.**—Firm. Good quality black 8s. per lb.; silver grey, 7s., for spot material.

**COLCHICUM.**—Quiet. Corms on spot are offering at from 2s. 3d. to 3s. 6d. per lb.; odds : forward offers at 6s. per lb., duty paid.

**COLOCYNTH.**—Pulp on the spot is 1s. 9d. per lb., duty paid.

**ERGOT.**—Portuguese is 41s. per lb., spot, and 38s. 6d., c.i.f.

**GINGER.**—African on the spot is 125s. per cwt.; Jamaican No. 3 is 191s. 6d. i.f.; spot quotations are from 190s. to 25s. per cwt. as to quality. Cochin, 2s. 6d. per cwt., c.i.f.

**GUAIACUM RESIN.**—Spot quotations are about 3s. per lb.

**GUM ACACIA.**—Kordofan cleaned sorts on spot are 115s. per cwt.; shipment, 95s. f., buyer's licence,

**IPECACUANHA.**—Quiet. Forward offers of Nicaraguan, April-May shipment, are from 45s. to 46s. per lb., c.i.f. Spot prices of Colombian are 52s. per lb., and Nicaraguan, 55s.

**KOLA NUTS.**—African halves are available on the spot at 4½d. per lb.

**MACE.**—West Indian pale blade is 9s. 3d. per lb.; for shipment, 8s. 9d., c.i.f.

**MENTHOL.**—Quotations for Chinese are 52s. per lb., and Brazilian, 50s., both duty paid. Brazilian forward price for April-May shipment is 41s., c.i.f.

**MERCURY.**—Spot quotations are from £73 to £73 10s. per flask, ex warehouse.

**NUTMEGS.**—Quiet. West Indian 80's quoted at 3s. 9d. per lb. on the spot and 3s. 3d., c.i.f., for shipment. East Indian for shipment, are quoted at from 3s. 7½d., c.i.f.

**ORRIS ROOT.**—Offers of Florentine are at 130s. per cwt., ex warehouse.

**PAPAIN.**—East African, No. 1 is 42s. 6d. and Ceylon sun-dried, 37s. 6d. per lb., on the spot.

**PODOPHYLLUM.**—Emodi root is available at 275s. per cwt.

**QUASSIA.**—Chips are available on the spot at 36s. per cwt.; forward offers are at 31s. 6d., c.i.f.

**QUILLAIA.**—Whole bark on spot is 145s. per cwt., and 125s., c.i.f., for shipment.

**SARSAPARILLA.**—Jamaican native red is about 2s. 6d. per lb. on the spot.

**SEEDS.**—**ANISE.**—Cyprus is all sold on spot: shipment, quoted at 130s. per cwt., c.i.f., London. Turkish is offered at 135s. per cwt., in bond, and 150s., duty paid.

**CARAWAY.**—Dutch is now offered at 100s., duty paid, spot London. **CELERY.**—Indian in poor demand, at 1s. 10½d. per lb., spot London.

**CORIANDER.**—Market easier. Morocco on the spot is quoted at 75s. per cwt., duty paid (70s. in bond) with no business reported. Argentine splits are now offered at 65s., duty paid. Indian is nominal at 97s. 6d. Shipment, Morocco old-crop for prompt or new-crop for June-July, quoted at 54s., c.i.f. London or main Continental ports.

**CUMIN.**—No buying reported. Spot: Cyprus, 195s.; Indian, 190s.; Malta, 200s., and Morocco, 205s., duty paid. **DILL.**—Indian quoted from 82s. 6d. to 85s., spot London. **FENNEL.**—Indian is 205s. and French 190s., duty paid.

**FENUGREEK.**—Morocco quiet, sellers at 42s. 6d., duty paid, spot London or Liverpool. **MUSTARD.**—English, 75s. to 110s., according to quality.

**SENEGA.**—Spot supplies are from 15s. to 16s. 6d. per lb., according to holder.

**SHELLAC.**—Lower. Spot quotations are: F.O.T.N., pure, 205s.; F.O. Standard No. 1, 230s.; fine orange, 265s. to 340s. per cwt., ex-London warehouse,

## Essential and Expressed Oils

**ANISE.**—Steady. Spot supplies are from 8s. 6d. per lb., according to quantity.

**BAY.**—Drum lots of W. Indian are 11s. per lb., on the spot, and from 9s., c.i.f., forward.

**BOIS DE ROSE.**—Brazilian on the spot is 32s. 6d. per lb.

**CASTOR OIL.**—In minimum 2-ton lots the prices for spot May delivery are as follows:—B.P., £216 per ton; Firsts, £210; Seconds, £190, all naked, ex mill. For June-December delivery, quotations are £30 less.

**CINNAMON.**—B.P. oil on the spot is quoted at from 65s. to 70s. per lb. English bark oil is offered at 22s. 6d. per oz. Seychelles leaf, 14s. per lb., spot.

**CITRONELLA.**—Spot prices for original drums are: Ceylon, 5s. per lb.; Formosa and Java, 6s. 3d. Forward quotations are: Ceylon, 4s. 10½d.; Formosa, 4s. 6d., and Java, 4s. 10½d. per lb., all c.i.f.

**CLOVE.**—English-distilled oil is 50s. per lb., nominal, with imported oils from 27s. 6d. Madagascar leaf on the spot is 18s. per lb., duty paid, and 14s., c.i.f., for shipment.

**COD-LIVER.**—Medicinal, B.P., is 11s. 6d. per gall. in charged returnable drums to retailers. Veterinary is from 11s. 4d. per gall.

**CORIANDER.**—Russian-seed oil is 175s. per lb. Dutch-seed oil, 170s. per lb.

**CUBEBS.**—English-distilled is offered at from 50s. to 55s. per lb. Imported is quoted at 60s. per lb.

**CUMIN.**—Quotations for English-distilled oil are about 75s. per lb.

**DILL.**—English-distilled oil is quoted at about 65s. per lb. for B.P. quality. Imported oils are offered at 40s. per lb. with East Indian at 30s., spot.

**EUCALYPTUS.**—70 to 75 per cent. eucalyptol on the spot is 7s. 9d. per lb. and 80 to 85 per cent., 8s. 3d.

**LEMONGRASS.**—Forward quotations are 8s. 6d. per lb., c.i.f., prompt shipment. Spot supplies are from 10s. per lb.

**PALMAROSA.**—Spot quotations for Formosan are 40s. per lb.

**PATCHOULI.**—Spot supplies of Penang are offered at from 58s. to 60s. per lb. and forward, 50s., c.i.f.

**PEPPERMINT.**—Chinese *arvensis* oil on the spot is 34s. per lb.; Brazilian, 25s.; Italian "Mitcham" type, 62s. per lb.

**ROSEMARY.**—Quiet. Spanish on the spot is 7s. per lb., duty paid.

**SAGE.**—Spanish is offered at 9s. 6d. per lb., spot.

**SPEARMINT.**—Firm. U.S.P. is scarce at 67s. 6d. per lb., on the spot.

## WORLD TRADE

**New Toluene Plant in Argentina.**—new plant for the manufacture of synthetic toluene was opened by the President of Argentina at Campana, recently.

**Canadian Penicillin Prices Cut.**—Due to greatly increased production of penicillin in Canada, the price has been cut by as much as 45 per cent. in the Dominion. The present price of penicillin is about 15 per cent. of those in 1949.

**Denmark's Imports Proposal.**—About 76 per cent. of Denmark's imports from countries within the Organisation for European Economic Co-operation will be liberalised from May 1 if a proposal by the Minister of Commerce is accepted. Added to the free list are pharmaceutical products in retail packing and zinc oxide.

**Private Trade with China.**—British businessmen attending an economic conference in Moscow recently concluded a trade agreement with China valued at £100 million. It was stressed that the British group had conducted their negotiations only as private individuals. China is known to buy chemicals, metals and textiles. Commenting on the agreement, Mr. Her Hopkinson (secretary for Overseas Trade) said on April 18 "... So far nothing is known about price, delivery or any of the other essential terms or even whether firm contracts have been signed. . . . Expert traders established for generations in China, who have, moreover, pinned their hopes on continuing to do business with Communist China, are being increasingly squeezed out."

**Brazilian Tax and Licences.**—A list of national and foreign pharmaceutical products, with the maximum prices at which they may be sold in Brazil, was compiled recently after consultation with representatives of the trade. The sales tax on pharmaceutical products in the Federal District in 1951 yielded £1,653,080 and was exceeded by the contributions, collected at much higher rates, on beverages, tobacco and perfumery and toilet articles. On toilet goods the tax yielded £2,239,860. Import licences for bicarbonate of soda are being granted for six months' requirements on the basis of 50 per cent. average imports during 1946-49, for payment in soft currency. The licensing of imports of powdered milk in soft currency is extended until June 30, without quantitative restrictions to all members of the trade.

# PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held at Belfast on April 18, the president (Mr. H. W. Gamble) in the chair. Also present were Messrs. W. H. Boyd (vice-president), H. P. Crossin (treasurer), H. F. Moore, F. R. Moore, H. H. Cowzer, W. P. Ewart, P. R. W. Shinner, J. McGregor, W. C. Tate, C. Abernethy, H. J. Cousley. The secretary (Mr. W. Gorman) was in attendance. A letter was received from the Home Secretary acknowledging the message sent by the Council to the Queen in the death of King George VI.

The president, vice-president, Mr. Cousley, Professor Mayrs and the secretary were appointed a deputation to interview the Minister of Home Affairs to discuss new legislation. A joint meeting of the Law and Education Committees recommended that a deputation should ask for the following:—Power to increase the number of pharmaceutical representatives on the council; wider powers for the use of the society's funds; the reduction of the period of apprenticeship; increased jurisdiction for the Statutory Committee; and limitation of powers of corporate bodies to carry on the business of pharmaceutical chemists. Other amendments to the existing legislation were also suggested, including conferring on the Council the power to specify examination subjects by regulation.

THE SECRETARY reported that he had written to the secretary of the Northern Ireland branch of the British Medical Association stating that for some time past the Council had received reports indicating that certain members of the medical profession in Northern Ireland had acquired a financial interest in a local chemist's shop, and requesting the views of the branch. The secretary of the branch replied that the branch council was considering the ethical and legal aspects of the matter. THE PRESIDENT commented that the cases referred to were contrary to the code of ethics of the General Medical Council.

It was decided that the Society's examinations should be held at the Belfast College of Technology during the week commencing June 16. On the motion of Mr. McGREGOR, seconded by Mr. H. F. MOORE, the Council adopted a recommendation of the Education Committee increasing certain examiners' fees. THE SECRETARY reported on a meeting with the Ministry of Education on the drafting of new regulation dealing with the admis-

sion of the London University General Certificate of Education as a qualification for registration as an apprentice. It was now recommended that the regulation should be made to include also the Grammar School Senior Certificate of the Ministry of Education, Northern Ireland, and the matriculation examination of any University in the United Kingdom. The revised regulation was approved for submission to the Ministry of Home Affairs. MR. BOYD said its purpose was to cover the period until the education system was reformed under the forthcoming legislation. THE PRESIDENT said he had had the honour of representing the Society at the centenary dinner in Edinburgh of the Scottish Department of the Pharmaceutical Society of Great Britain.

## NEW BOOKS

**Report on the Lysenko Controversy.**—A subcommittee of the Science Policy Committee, A.Sc.W.  $8\frac{1}{2} \times 5\frac{1}{2}$  in. Pp. 20. One shilling. Association of Scientific Workers, 15 Half Moon Street, London, W.1. A brief outline of the history of Soviet discussions on genetics, with bibliography. The report, which took two years to compile, discusses the part played by Mendelian genetics and by Michurinism in Soviet agricultures.

**Textbook of Pharmacognosy.**—Fifth edition. T. C. Denston, B.Pharm.(Lond.), F.R.I.C., Ph.C.  $8\frac{1}{4} \times 5\frac{1}{2}$  in. Pp. 637 including maps and index. 45s. Sir Isaac Pitman & Sons, Ltd., Pitman House, Parker Street, Kingsway, London, W.C.2. The author has revised all sections of the book, bringing the information in line with the British Pharmacopœia, 1948, and the British Pharmaceutical Codex 1949. New line drawings and photographs have also been included.

**Exporter's Year Book.**— $9\frac{3}{4} \times 7\frac{1}{4}$  in. Pp. 322, plus diary and fourteen appendices. 40s. (including subscription to the "Merchant Shipper" monthly). The Syren & Shipping, Ltd., 26 Billiter Street, London, E.C.3. The title has been newly adopted for the International Mercantile Diary and Year Book in its thirty-sixth year of publication. The book continues to provide information on documents required for international trade, setting out for all countries their area, population, airports, holidays and currency, as well as giving postal and commercial details.

## TRADE MARKS

From the "Trade Marks Journal," April 9

For detergents (3).

LUTONAL, 704,148, by Laporte Chemicals, Ltd., Luton.

For hair creams, brilliantines, tonics, lotions, shampoos and pomades, all being non-medicated (3).

DOUBLE TOP, 703,471, by Harry Thomas Franks, Torquay.

For non-medicated toilet preparations for the teeth and gums and for artificial dentures (3).

MAC, B704,543, by Macleans, Ltd., Brentford.

For toilet preparations for the hair (3).

COLARNIS, 704,679, by Sheridan Laboratories, Ltd., London, S.W.10.

For pharmaceutical antispasmodic preparations of trihexyphenidyl (5).

PACITANE, 689,893, by American Cyanamid Co., New York, U.S.A.

For pharmaceutical preparations (5).

PHYLLADRINE, SULESTREX, 608,521-22, by Abbott Laboratories, North Chicago, U.S.A.

For medicated ointment for use in the treatment of diseases of the skin (5).

ILODERM, 700,436, by Thomas Vallance Duncan, Tarbert, Argylls.

For all goods (5).

Circular device of willow tree, 701,794, by Willows Francis Pharmaceutical Products, Ltd., London, E.8. FITZPRIN, 704,555, by Edward Hack, London, W.C.1. FINALGON, 704,773, by Dr. Karl Thomas G.m.b.H., Biberach an der Riss, Germany. PEPTULCIN, 704,825, by Medo-Chemicals, Ltd., London, N.1.

For sterilising preparations (5).

DECIQUAT, 704,279, by Industrial and Commercial Detergents, Ltd., London, S.W.19.

For medicated preparations for the teeth and gums and artificial dentures (5).

MAC, B704,544, by Macleans, Ltd., Brentford.

For razor blades (8).

SAFALTA, 703,607, by Safalta, Paris.

For safety razor blades (8).

GOLD KEG, 704,493, by Solent Manufacturing Co., Ltd., Southampton.

For electric scientific and photographic apparatus (9).

EMITRADE, 705,252, by Electric and Musical Industries, Ltd., Hayes.

For lighting apparatus for surgical, medical, dental and veterinary purposes (10).

ELFA, 692,711, by the Electric Light Fittings Association, London, W.C.2.

For prophylactic articles of rubber (10).

PROPHYL, B705,165, by Whitley & Co. (Manchester), Ltd., Manchester.

For hair combs and brushes (21).

MOBY-DICK, 705,144, by Puddefoot, Bowers & Sonnett, Ltd., London, S.E.11.

From the "Trade Marks Journal," April 16

For antihypertensive agents (5).

VERGITRYL, 705,163, by E. R. Squibb & Sons, Ltd., London, W.1.

For substances for taking impressions of the ears, limbs and other parts of the human body for the purpose of fitting artificial aids (5).

TISSUTEX, 704,103, by the Dental Manufacturing Co., Ltd., Blackpool.

For plastic diaper covers for infants (25).

DRYFOLD, 701,473, by Dryfold Manufacturing Co., Ohio, U.S.A.

## C. & D. RETAIL AND DISPENSING PRICE LIST

PRICES for new preparations in the British Pharmaceutical Codex Supplement, and the National Formulary, 1952 being included with the monthly changes. The drug index for March 203.

Cost. d. per	Item.	4 oz.	1 oz.
		s. d.	s. d.
54½ lb.	Ammon. bromidum..	2 0	0 7
73 oz.	Caffeina ..	—	—
48 oz.	Caffeina et sodii benzoas	—	—
66 oz.	Caffeina et sodii iodidum	—	—
149 4 oz.	Caffeina citras ..	—	5 4
111 lb.	Camphora (natural) ..	4 0	1 1
147 lb.	Emuls. menth. pip. B.P.	5 4	1 6
144 oz.	Ephedrina hydrochlor. P.I. (8)	per gr.	0 1
228 lb.	Ext. hepatis liq. ..	8 3	2 6
162 lb.	Lin. methyl. salicylatis co. B.P.C. '34 P.I. (12)	6 6	1 11
16 oz.	Oil. citronella (Ceylon)	—	2 4
113 4 oz.	Phenazonium ..	—	4 0
48½ lb.	Potassii bromidum ..	1 9	0 6
48½ lb.	Potassii tartars acidus ..	1 9	0 6
182 dr.	Santoninum ..	per gr.	—
76 oz.	Theobromina ..	—	—
49	Theobromina et sod. sal.	—	—
252 lb.	Ung. methyl. salicyl. co.	9 0	2 8
102 lb.	Pasta acid. salicyl. cum dithranol	N.F. '52	3 8 1 0
72 lb.	Pasta alumin. co. B.P.C. Supp. '52	2 7	0 9
72 lb.	Pasta titan. diiod.	N.F. '52	2 7 0 9
64 lb.	Syr. rubi idaei B.P.C. Supp. '52	3 0	0 10
186 lb.	Ung. zinci undecylenat. N.F. '52	6 6	2 0

### TABLETS

Cost. d. per	Item.	25	Sel. Pri. s. d.
		s. d.	
348 1000	Codein. co. P.I. (9) ..	..	1 11
120 1000	Dexamphetamine sulph. 5 mgm. S.I. (4)	..	1 1
150 1000	Easton's dr. ½ P.I. (13) ..	..	1 1
234 1000	Easton's dr. 1 P.I. (13) ..	..	1 6
372 1000	Ephedrin. hydrochlor.	gr. 1 P.I. (13)	2 0
241 100	Santonin co. B.P.C. ..	..	9 0

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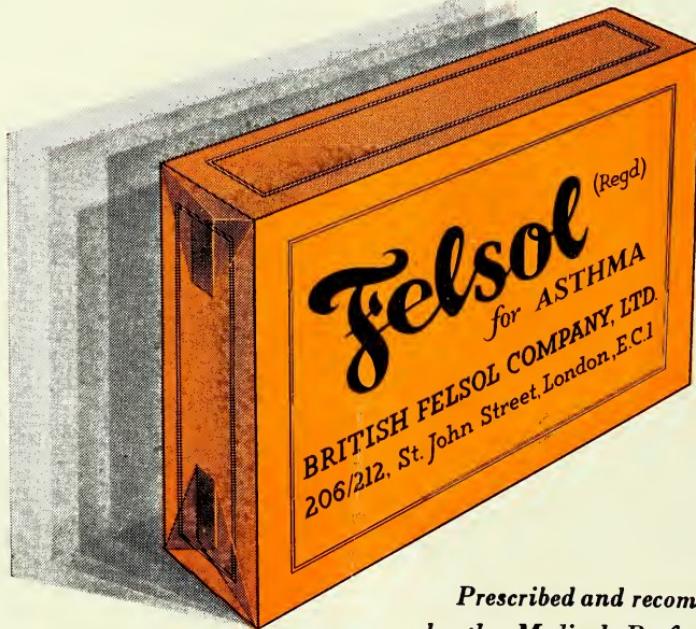
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